

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



# The Western Seed Co.



RECEIVED  
FEB 1 1929  
U. S. Department of Agriculture

## *Field and Garden* SEED SPECIALISTS

*Buy and Plant*  
**GOLD SEAL SEEDS**  
*With Confidence*

**A Garden Full of These  
Giant Zinnias**

**6 PACKETS** containing all  
the various colors of the  
Gorgeous Giant Zin-  
nias. Postpaid . . . . **50c**  
(See page 51).

**DENVER ~ COLORADO**



# {GREELEY WONDER}

OR GOLDEN QUEEN

Especially desirable for the market gardener and the home garden.

Very early, fine flavored muskmelon. Extra heavy yielder. Melons large.



Selected seed, pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.50; 5 lbs., \$1.35 per lb., postpaid.

For further description see page 25.

## JUMBO SUGAR WATERMELON

A large, sweet, luscious melon, dark green shell with bright, solid flesh of exceptionally fine texture. Contains one-third more sugar than Tom Watson. Price, packet, 10c; oz., 15c;  $\frac{1}{4}$  lb., 50c;  $\frac{1}{2}$  lb., 85c; 1 lb., \$1.65, postpaid.







One of Our Vegetable Packing Warehouses where Hundreds of Cars of Vegetables are Bought and Shipped by Us

## Why You Can Buy and Plant With Confidence —Our Gold Seal Seeds—

Besides our earnest desire to sell seed of the best quality and germination, it is also necessary that we sell the best as we do an enormous produce business, being one of the largest handlers of vegetables in the United States. Last season we and our subsidiary companies shipped over 2,800 carloads of Vegetables; consisting of practically every vegetable grown. These vegetables were produced from our Gold Seal Seeds. Quality vegetables are necessary in our business, so to have quality to ship we must give the growers quality seeds to plant.

For these reasons we spare no care or expense in the production of Gold Seal Quality seeds. There has never been a disappointment in Gold Seal quality. In producing the seed we sell, cost is no consideration. Our aim is to produce the best—in fact, we must produce and sell the best quality seed.

Every lot of Vegetable, Flower and Field Seed we send out is also tested for germination by us shortly before they are sent out.

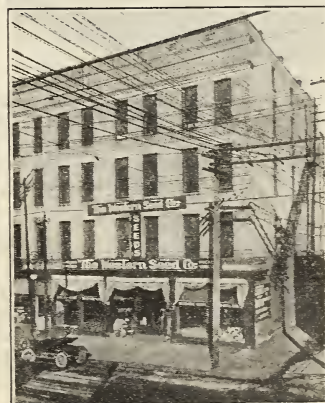
### Notice to Buyers of Field Seeds

Quantity prices on field seeds are not stated for the reason that they cannot be accurately determined at the time the catalog is printed. As field seeds move in larger volume than garden seeds, stocks and markets are constantly changing. We, therefore, issue price lists to accommodate these conditions and they will be mailed on request to interested parties requesting same.

### Our Guarantee

Our seeds, plants and nursery stock are sold to you with the express understanding that if they are not as represented and not fully satisfactory when you receive them, we will take them back and **CHEERFULLY REFUND YOUR MONEY.** But as there are so many outside influences over which we have no control—such as weather conditions—we cannot guarantee a crop.

Don't Forget to Read About Our  
**FREE OFFER.** See Page 58.



# The Western Seed Co.

ELMER HARTNER, President - DENVER, COLORADO - R. E. PATTERSON, Mgr.



# GOLD SEAL VEGETABLE SEEDS

For many years the high quality of our vegetable seeds has been known to the majority of planters and they buy and plant Gold Seal Seeds confident that they are as represented.

## Read About Our New Mountain Head Lettuce, Peas, Cauliflower

(SEE BACK COVER)

The growing of these crops in our Mountain Districts has now become a permanent industry that has proved and will prove profitable for many and disastrous for some. Proper care and study in the selection of the ground and its accessibility and a knowledge of how to plant and handle the crop are necessary, besides a good grade of seed. Don't be fooled into buying cheap lots of seed from irresponsible parties.

## Garden for Health as Well as Profit

The home garden should not only be viewed from a point of profit and saving, but greater benefits by ten times are derived from the standpoint of health.

Either fresh fruits or vegetables should be in daily use in every home. They constitute not only a delicious and appetizing food, but as science has proved—a food indispensable to health. While to the majority of us fresh fruits and vegetables are not a part of our daily diet, due to being out of season or too remote from source of supply, yet almost everyone can produce their seasonable needs with little expense from their own garden.

## Asparagus Seed

**ASPARAGUS CULTURE.** Plow your plot deep, then loosen up your soil, making a perfect seed bed. Sow your seeds thick in rows 20 to 24 inches apart. Use plenty of water for the seed has a hard hull that can only be softened with moisture. After the plants start growing you must not cultivate, as this will injure the roots, and these roots are needed to produce the wholesome, crisp asparagus that is served on your table. (The roots are what you grow from the seed). The following Spring the roots must be dug, separated and transplanted in the field, or garden, where you intend to raise your asparagus each following year. As the roots get older and larger the asparagus comes thicker and better. If you do not care to wait and raise your own roots we can supply you with one or two-year-old roots of any variety listed.

**MARY WASHINGTON.** The Department of Agriculture have developed two strains of Washington Asparagus; that is Martha Washington and Mary Washington, but the latter has proven to be the most highly rust resistant, and most hardy and productive of the two. The shoots are long, straight, thick, and heavy; dark green the entire length, except tinted darker at the tips. Pkt., 10c; oz., 20c; ¼ lb., 70c; lb., \$2.25, postpaid.

**EARLY GIANT FRENCH ARGENTEUIL (Gold Seal Quality).** This early variety was first imported and sold on this market by us. Its superior quality has placed it ahead of all others. Dark green, large shoots, far more productive than the old sorts, which makes it preferred on all markets. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 85c, postpaid.

**PALMETTO.** This has been the most popular variety for general gardening purposes. Matures early, very prolific, producing an abundance of deep green shoots. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c, postpaid.

Mary Washington Asparagus.

**GIANT SNOW CAP.** While the green varieties of Asparagus are very popular in most sections, this is largely due to the fact that the white varieties heretofore have been small and somewhat tough. But in this new introduction, Giant Snow Cap, we offer a large white, tender, prolific sort which will find favor even with the growers who are partial to the green varieties. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

**ASPARAGUS ROOTS.** See page 42.

## Artichokes

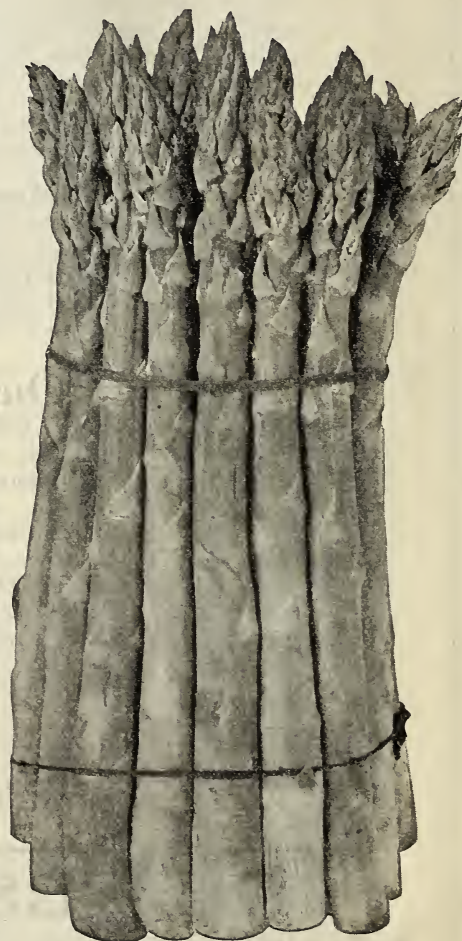
**CULTURE.** In February or March sow and transplant in hotbeds until the danger of frost is over. Set in very rich, well drained soil in rows 4 feet apart and 2 feet apart in row.

Plants can be raised in seed beds outdoors, but will not produce heads the first year. Jerusalem Artichokes should be planted and cultivated like potatoes.

**GREEN GLOBE ARTICHOKE.** Are cultivated for their flower-heads, which are cooked like asparagus. Plants set in any good soil, with light covering in Winter, will remain in bearing several years. Cultivation limited in this section. Pkt., 10c; oz., 40c; ¼ lb., \$1.50; lb., \$5.00, postpaid.

**JERUSALEM or POTATO ARTICHOKE.** A dandy hog feed, heavy bearer. See pages 34 and 42.

Green Globe Artichoke.



Early Giant French Argenteuil Asparagus.







## Garden Beans

**CULTURE.** There is hardly a vegetable that contributes to the table as liberally as the snap bean. It is easy to grow and a heavy producer. Beans should be planted at intervals so that one may always have a fresh patch to depend upon.

For the best crops beans require good rich soil and frequent hoeing. The young plants are very tender and cannot withstand even slight frosts. The seed should not be planted until the soil has become well warmed and all danger of frost is over. Spade or plow deeply and plant in rows 2 feet apart, scattering the seed about 3 inches apart in the row, and cover 2 inches deep. Hoe frequently, but never when the foliage is damp from dew or rain. Hoeing should be done shallow so that the roots are not injured.

### Green Podded Varieties

**FULL MEASURE** (Gold Seal Quality). While this is not a new variety, yet it is just being recognized as one of the finest beans that can be grown, because besides being absolutely stringless, the shell or skin of the pods does not get tough, no matter how long the pods are allowed to remain on the bush. The texture of the pod never grows coarse, but remains tender and meaty until the bean is fully matured and ready to shell. Due to its fine quality and long pods, in the past 4 years it has become the leading and most satisfactory bean, both for local use and as a shipping variety. It is superior to Burpee's Stringless.

**SHIPPERS' GREEN POD or LONGFELLOW.** This is the bean planted so extensively by our market gardeners, as it produces a large crop of pods which find a ready sale to the shippers at an advanced price. It is an excellent keeper; better than the Burpee's Stringless or Refugee. The pods are long and straight and of a dark green color. When the pods are young they are absolutely stringless, very tender and of highest flavor—even excelling the old standard, Burpee's Stringless.

**GIANT STRINGLESS.** Exceedingly productive and very hardy. Matures a few days later than the Burpee's Stringless, but is slightly longer and more nearly straight.

**BURPEE'S STRINGLESS.** The most popular bean grown, because it is almost stringless, of dwarf growth, plants very productive, quite early, pods cylindrical. Especially recommended for home gardens.

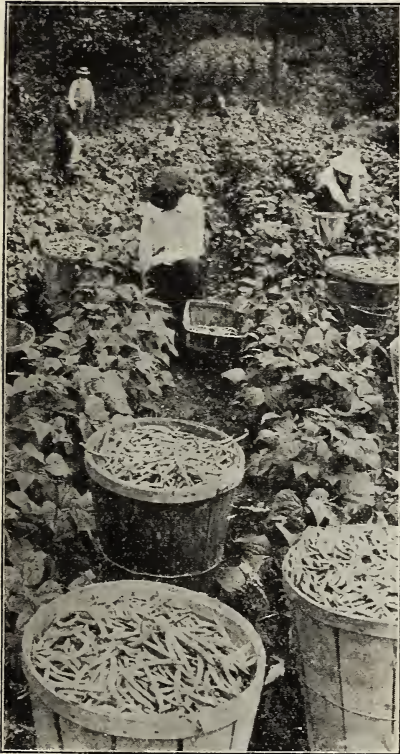
### PRICES—GREEN PODDED VARIETIES

Bean seed is very scarce this season. We can only fill orders on such varieties as we have unsold on receipt of your order. Pkt., 5c;  $\frac{1}{2}$  lb., 25c; 1 lb., 45c; 5 lbs., \$2.00, postpaid. For larger amounts get special prices.

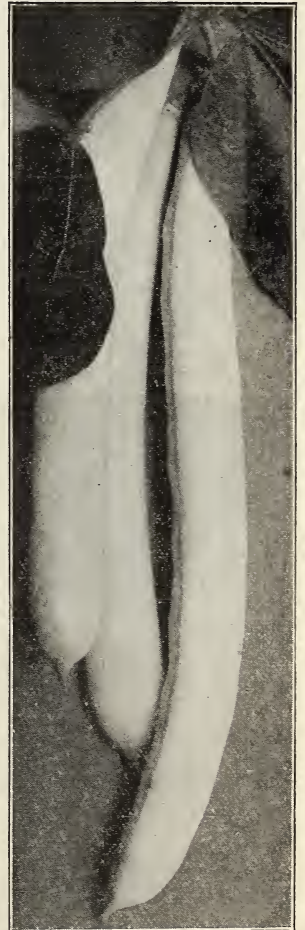
### Wax Podded Varieties

**ROUND POD KIDNEY WAX—BRITTLE WAX.** A very handsome midseason variety, especially desirable for snaps for home garden. The plants are of strong growth, spreading and very productive. The leaves are large, broad, and roughened. The pods are long and round,  $5\frac{1}{2}$  to 6 inches, slightly curved, light yellow, wax-like, stringless and of the very best quality. Seed long, cylindrical, medium sized, nearly white with a little dark markings about the eye. We especially recommend this bean for the gardener—it is also an excellent shipping variety.

**PENCIL POD BLACK WAX.** Pods are long, thick, and fleshy and stringless.



Full Measure Beans.



Round Pod Kidney Wax Beans.



## GARDEN BEANS—Continued

**DAVIS WHITE WAX.** A white-seeded Golden Wax Bean of superior quality, extremely early and of great productiveness. The plant grows larger than the Golden Wax and produces an abundant crop of large, meaty, flat pods, which are of a bright golden-yellow color, exceedingly attractive and very uniform in size and shape.

**CHALLENGE DWARF BLACK WAX.** This bean is a favorite among the growers who grow beans for the early market, as it is the earliest of the round wax varieties. The vine is strong, holding the pods well up, which are of a nice bright yellow color.

**GERMAN BLACK WAX.** Vines medium size with small foliage, very vigorous, hardy, and productive, maturing about midseason; pods are medium length, borne well up from the ground, are curved, cylindrical, fleshy, and of a cream white color. It remains a long time in condition for use as snaps.

**OLD-FASHIONED GOLDEN WAX.** This bean is the grand old wax-podded variety that has been planted by gardeners, both large and small, for many years. It is a heavy producer and very seldom fails to give the best results, even when some of the other varieties fail. The pods are long and semi-round, of rich golden cream color, very meaty and tender.

**IMPROVED GOLDEN WAX.** One of the old popular varieties; pods straight, flat, and golden in color.

**SHIPPERS' WAX POD.** Pods long, round, straight, thick, and absolutely stringless. This variety has proved the best shipper, and we cannot recommend it too highly to market gardeners. It holds up well and is of fine appearance.

### PRICES—WAX PODDED VARIETIES

Bean seed is very scarce this season. We can only fill orders on such varieties as we have unsold at time we receive your order. Pkt., 5c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00, postpaid. For larger amounts get special prices.

## Pole Beans

**KENTUCKY WONDER (Green Pod).** This standard variety of Green Podded Pole Beans became popular through its rapid growth and abundant yielding qualities. It has been successfully grown in every section of the United States. Being extensively used as a corn bean, the pods are exceptionally long and often measure 10 to 12 inches, perfectly round and stringless when young. A good sort to plant around fences, for it will climb and completely cover them in a short time. If allowed to ripen and dried, beans are good for winter use. Price, postpaid: Pkt., 5c; large size package, 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.60; 10 lbs., \$3.00. If by express or freight, purchaser paying charges, 5c per pound less.

**LAZY WIFE.** Green podded, very productive, and later than other varieties. Postpaid, pkt., 5c; large size package, 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.60; 10 lbs., \$3.00. If by express or freight, purchaser paying charges, 5c per pound less.

**KENTUCKY WONDER WAX (Pole).** The best wax podded pole bean. Vines are strong, producing pods 6 to 8 inches long, coming in very abundant clusters, pods very broad, thick, and fleshy, of golden yellow to creamy white. Postpaid, pkt., 5c; large size package, 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.60; 10 lbs., \$3.00. If by express or freight, purchaser paying charges, 5c per pound less.

## Shell Beans

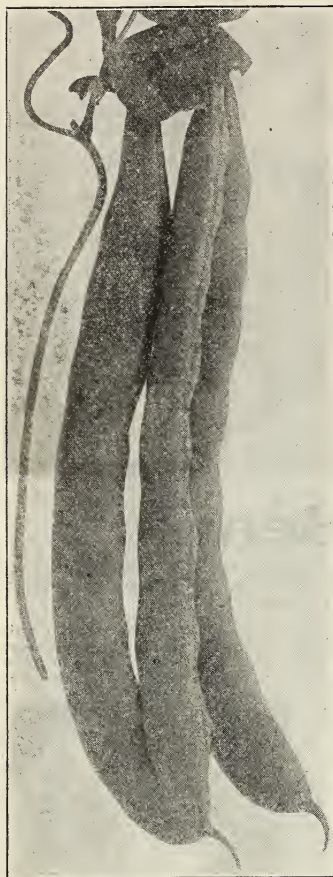
**DWARF HORTICULTURAL (Shell Beans).** Very productive, vines compact, upright, with large leaves, pods medium length, round, curved, yellowish color, marked with splashes of red. The beans are fit for use as green shell beans, very early, and in this condition the beans are very large and easily shelled, and are about equal to Lima Beans in quality. Postpaid, pkt., 5c; large package, 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.50. If by express or freight, purchaser paying charges, 5c per pound less.

## Lima Beans

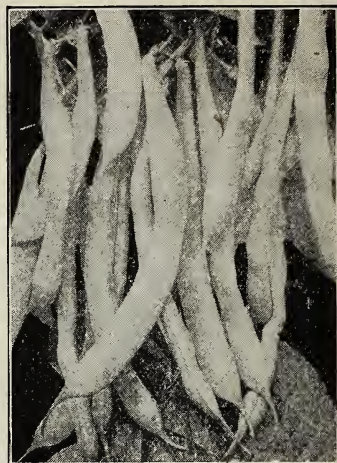
**HENDERSON BUSH LIMA.** This is the earliest of the flat-pod limas and is much more satisfactory to grow in districts which have about the same climate as Denver. It is two weeks earlier than any other variety. They resemble the Burpee's in flavor and shape, but are only about one-third as large. As dry beans they are known as Baby Lima. Postpaid, pkt., 5c; large package, 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.50. If by express or freight at purchaser's expense, 5c per pound less.

**AZTEC (Colorado or California Cream Butter).** This wonderful bean has been grown for generations in New Mexico by the Indians. It is the Lima Bean for the Western territory; does well on dry land, and is earlier than other varieties. The seed is not flat like most Lima Beans, but round and about the shape of our small Navy Bean, but is 4 or 5 times larger. Can be used either as a green shell bean or dried. Postpaid, pkt., 5c; large package, 10c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75; 10 lbs., \$3.00. If by express or freight, at purchaser's expense, 5c per pound less.

**BURPEE'S BUSH.** The old standard Bush Lima Bean. The bushes are 18 to 20 inches high, of stout, erect growth; branch freely and are very prolific. The pods are well filled with large, fleshy beans of excellent quality. Delicate pale green in color and possessing that rich, buttery flavor of the pole variety. Postpaid, pkt., 5c; large package, 10c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75; 10 lbs., \$3.00. If by express or freight, purchaser paying charges, 5c per pound less.



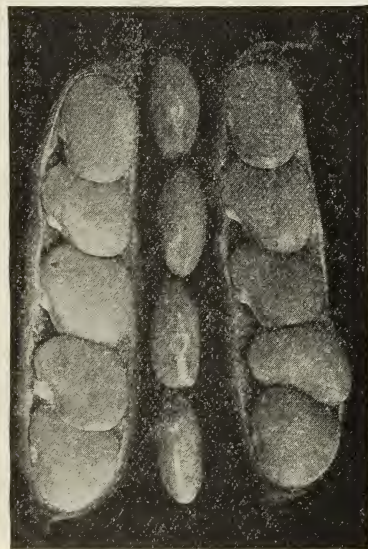
Kentucky Wonder Pole Beans.



Shipper's Wax Pod Beans.



Burpee's Bush Lima Beans.



Henderson's Bush Lima Beans.



# Red or Table Beets

**French Grown for Purity—Tested  
for Germination**

**PRICES ARE POSTPAID**

Our beet seed has proven the purest and best with which the market gardeners of this territory have been supplied. Many of them have made extra money by having the proper sort of beets at the right time. In former years, the old reliable Early Egyptian was planted for early and late crop, but now the buyers of beets demand a different kind at different seasons, which we offer and describe below.

**CULTURE.** Beets thrive best in deep, rich, sandy soil, one which the roots can penetrate easily. For extra early use, the seed may be sown in hotbeds and the young plants set out in the open, trimming off the outer leaves. They can be transplanted easily in moist weather. For early use, spade or plow deeply, sow seed in rows 18 inches apart, covering one-half inch deep. If dry, the soil should be well firmed about the seed. When three or four leaves have developed, thin out to four inches apart in the row, allowing the strongest to remain. Keep free from weeds. For main crop sow end of April. For Winter crop, sow end of June.

**DETROIT DARK RED (Gold Seal Quality).** The fact that this beet combines the fine shape of the Eclipse and the dark flesh of the Egyptian places it among the leading beets with the gardeners who plant for Winter use. This variety is not as early as Egyptian, but is the most uniform and best keeping beet. It is also a very attractive beet when bunched. Postpaid, pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 50c; 1 lb., \$1.00.

**EARLY CROSBY'S EGYPTIAN (Gold Seal Quality).** The name of this variety is misleading, as it resembles the Egyptian only in its extreme earliness. This beet is more spherical in shape than the Early Egyptian, and we believe of a better quality, a distinct vermilion color and very attractive in appearance. One of the best for early planting in the open. Postpaid, pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c;  $\frac{1}{2}$  lb., 55c; 1 lb., 90c.

**EXTRA EARLY EGYPTIAN (Gold Seal Quality).** This is one of the best varieties for forcing and early planting. While young it is very sweet and tender and oval in shape and presents a fine appearance when bunched for market, but with continued growth it becomes broader instead of oval and often too large and coarse for table use. It has been the standard variety for many years, as it is a good keeper when topped and stored away for the Winter; flesh dark, blood red. Showy when the beet is cut. Postpaid, pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c;  $\frac{1}{2}$  lb., 55c; 1 lb., 90c.



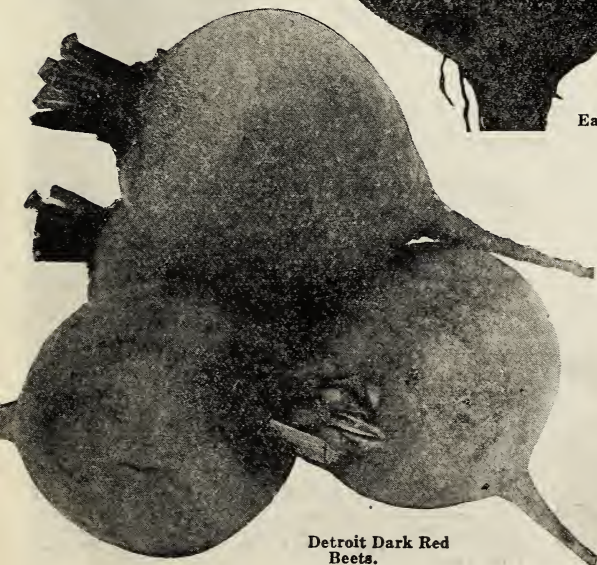
Early Wonder Beets.



Extra Early Egyptian Beets.



Early Crosby's  
Egyptian.



Detroit Dark Red  
Beets.

**EARLY ECLIPSE.** We recommend this variety for midsummer, at the time beets are sold by the bunch. Their color is brighter red than other sorts, which gives them a more tender appearance. But do not plant this variety to be sold in sacks during the fall or winter months as it does not command the best prices at that time. It is of lighter color than the Detroit, and its rings or zones are very light, which hurts its sale when a blood beet is wanted. Postpaid, pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c;  $\frac{1}{2}$  lb., 55c; 1 lb., 90c.

**EARLY WONDER BEET.** This new beet is becoming very popular with market gardeners who grow for the early market, as Early Wonder is the earliest variety of beet. It is vermilion-red; has small top; is globe shaped and a money maker. It is deserving of a trial in your garden this year. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 30c;  $\frac{1}{2}$  lb., 55c; 1 lb., \$1.00.

**EXTRA EARLY BLOOD.** This beet is very early; ringed red and white, absolutely perfect in shape; roots are globular and peculiarly smooth; very crisp, tender, fine grained and sweet at all stages of its growth. Has small tops and can be used six weeks from sowing. Postpaid, pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c;  $\frac{1}{2}$  lb., 55c; 1 lb., 90c.





# Beets for Stock Feeding

Splendid Winter Feed for Cattle, Hogs, Poultry, Sheep, Etc.

**Our Seed is Danish Grown—Buy No Other**

An ever-increasing acreage is being planted to stock beets, because of the wonderful results obtained by feeding them. Fattening, milch and breeding cattle do equally well on them. About one-fourth of the daily rations should be of roots. Hog cholera is prevented by their use. We are very careful in the selection of our Mangel Seed. There is a great difference in this seed. The seed we offer has been bred up to the highest type with an aim to produce a beet that contained the highest percentage of fattening matter and the least water.

**CULTURE.** Both Mangels and Sugar Beets require deep, well enriched soil. Sow in May and June in rows 18 inches to 2 feet apart and 6 to 8 inches in the row. Young plants may be transplanted to fill up vacancies. As soon as frost occurs, dig the crop. For Winter store in cellar or in pits.

## SUGAR BEETS

Prices, all varieties, postpaid: Pkt., 5c; 1 oz., 10c; ¼ lb., 20c; 1 lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.50. If by express or freight, purchaser paying charges, 5c per pound less. For larger amounts, see Blue List.

**VILMORIN'S IMPROVED WHITE.** Medium size, brought by careful selection to the highest perfection in shape and color of roots. Greatly esteemed by sugar manufacturers and one of the finest for stock feeding.

**WANZLEBEN.** This is the variety so extensively planted for sugar manufacture. Although it does not yield quite as large crops as mangels, the feeding value, pound for pound, is much greater on account of its high percentage of dry matter content. Recommended especially for fattening cattle, but is equally well adapted for general feeding as mangels.

## MANGEL WURZELS

Prices, all varieties, postpaid: Pkt., 5c; ¼ lb., 15c; 1 lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.50. If by express or freight, purchaser paying charges, 5c per pound less. For larger amounts, see Blue List.

**DANISH SLUDSTRUP.** Contains more feeding value than any other mangel. The roots are large, reddish yellow, of distinct type and a remarkable yielder. Tests show it to contain as follows:

17 per cent more pounds of roots per acre than the Mammoth Long Red.

23 per cent more nutriment than the Mammoth Long Red.

22 per cent more pounds of roots per acre than the Golden Tankard.

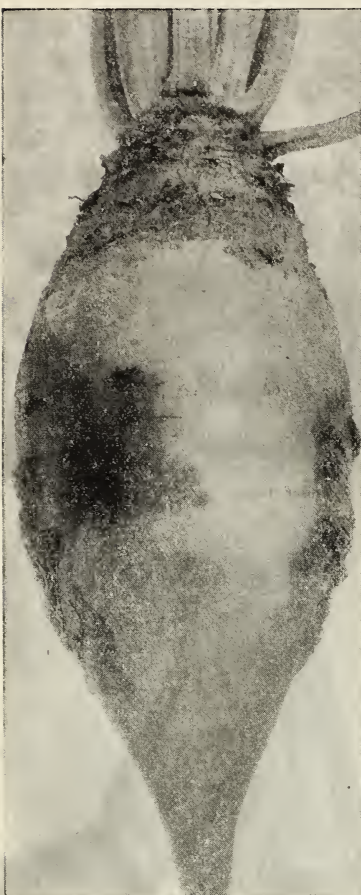
28 per cent more nutriment than the Golden Tankard.

Over 40 tons have been grown on a single acre.

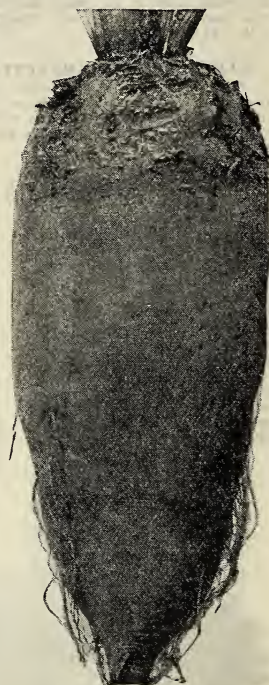
**GIANT HALF SUGAR.** This is neither a mangel nor a sugar beet, but as the name implies is a cross between the two. It has the large size of the mangel with the great feeding quality of the sugar beet. It will yield almost as many tons per acre as the best mangels, twice as much as the sugar beet. It has become the most popular beet grown for stock feed. As all grains are now higher, more stock beets should be planted.

**GOLDEN TANKARD.** The best known and highly recommended for dairymen on account of its milk-producing properties and the rich quality of the milk. The flesh is firm and solid and a rich golden yellow color. On account of its peculiar shape they can be grown closer in the rows than most mangels, increasing the yield per acre considerably. Grows well above the ground and is easily pulled. Yields particularly well on light soil.

**GIANT ECKENDORFER.** A very popular variety, grown extensively in Germany. It has also proven very satisfactory in the United States wherever it has been tried. Its roots are very heavy. It has been known to produce as much as 55 tons of roots to the acre. This variety is very easily harvested, as a large portion grows above the ground.



Danish Sludstrup Mangel.



Golden Tankard Mangel.



Giant Half Sugar.

**MAMMOTH LONG RED.** This is a very large and heavy mangel. Roots grow one-half to two-thirds above the soil and are often two or more feet in length and nine inches in diameter. Skin dark red, flesh white, with veined rings of pink.

## SWISS CHARD

**GREEN LEAF.** This member of the beet family is grown for the leaves only, and cooked like spinach. The mid-rib is prepared like asparagus. It is hardy and productive, with broad green leaves and large white midribs or chards of excellent quality, and can be sown at different seasons of the year, giving successive greens. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c.

**LUCULLUS.** A peculiarly delicious variety having green leaves which are remarkably crimped and curled, like savoy-leaved cabbage. The chards are white and broad but not so broad as the common variety although equally fine in flavor. Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.



# Cabbage

Culture See Next Page.

## Extra Early European Market Cabbage

Extra early cabbage pays well if you get a good yield. Most all extra early varieties of cabbage are very light yielders, but our European Market is both extra early and a heavy yielder. It is about five days earlier than the Copenhagen Market and it produces a very uniform crop of large round heads of nice green color. It is an excellent shipping variety. Year in and year out European Market is the most profitable cabbage that can be grown. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., \$1.00; 1 lb., \$3.50.

## Copenhagen Market Cabbage

GOLD SEAL QUALITY

A splendid, new extra early, round head sort which matures about as early as the Wakefields, and is of much larger size. Each plant forms a perfect tight-folded head, averaging 5 to 8 pounds in weight, and about 8 inches in diameter each way. The compact growth of the plant, the solidity of the head, its excellent flavor and extreme earliness, all combine to make Copenhagen Market one of the most meritorious cabbages that has come to our notice during our experience in handling cabbage. We pronounce it, without reserve, one of the finest and earliest round-headed

sorts in cultivation today.

It is very popular with the market gardeners. It is a short-stemmed variety, the heads nearly resting on the ground. It is very desirable on account of the characteristic of maturing the heads all at the same time, thus enabling the grower to clean his fields at the first cutting. Heads are large, very solid, and of the most excellent quality. Gold Seal Quality. Postpaid, pkt., 10c; 1 oz., 30c;  $\frac{1}{4}$  lb., 85c; 1 lb., \$2.50.



Copenhagen Market Cabbage.

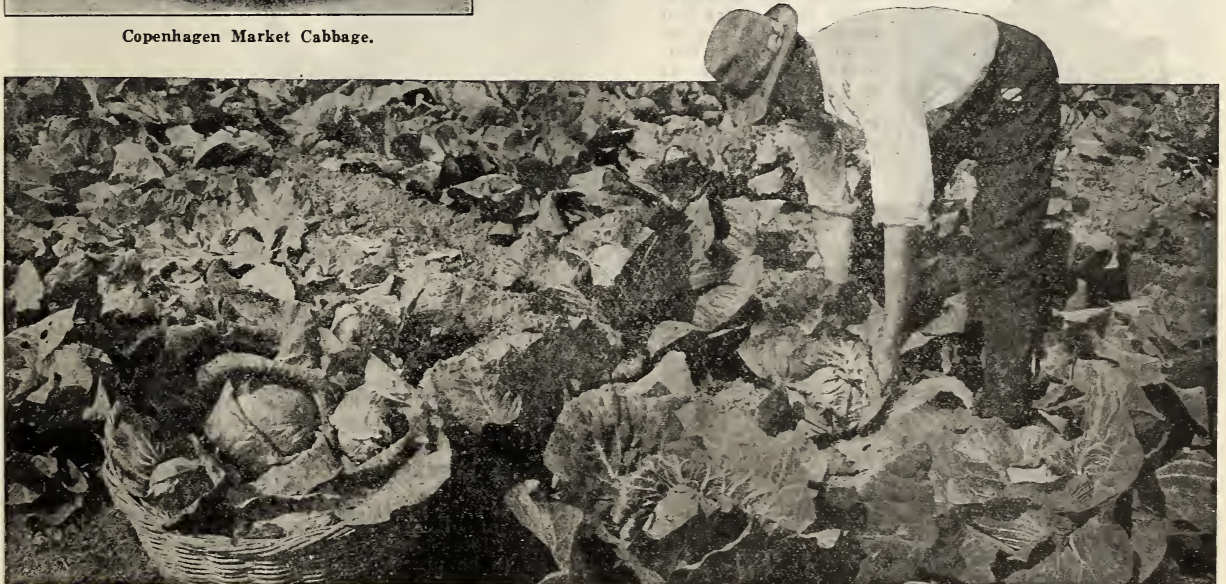
## Golden Acre Cabbage

The Golden Acre is a new superior variety of early, round-headed cabbage, very closely resembling Copenhagen Market, but more fixed in type. It has qualities so valuable and important that, not since the advent of the "Jersey Wakefield" has a greater or more important Early Cabbage been offered.

We believe it is the earliest cabbage in existence. It matures in but 80 days from the date the seed is sown. The head begins to form when the leaves are no larger than a saucer and its growth may be observed almost from day to day. It is perfectly round and, full grown, measures 8 to 12 inches in diameter. The heads mature all at the same time—so fixed is the type, and one head is just like the other.

The plants can be set very close, as there are only about 12 leaves and these are very short. The stalk is less than two inches high, so that the plant is distinctly dwarf.

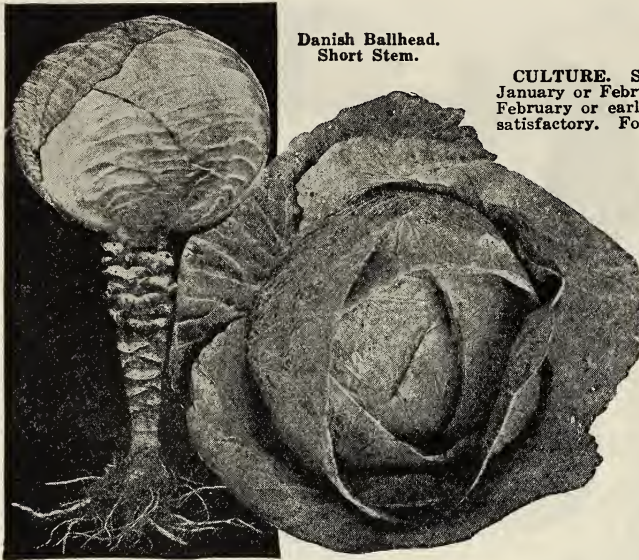
Seed grown by originator: Pkt., 15c; oz., 40c;  $\frac{1}{4}$  lb., \$1.25; lb., \$4.00. Holland grown seed: Pkt., 10c;  $\frac{1}{2}$  oz., 20c; oz., 30c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50.



Golden Acre Cabbage is Gaining in Popularity Rapidly.

Extra Early  
European  
Market  
Cabbage.





Danish Ballhead.  
Short Stem.

## Cabbage

**CULTURE.** Start with good seed. For extra early use, seed may be sown in January or February very thinly in hotbeds—for medium early, start seeds last of February or early March in hotbeds, but glass is not required. Muslin covers are satisfactory. For late crop, start the seed in cold frames in late April or early May and not over one-fourth inch deep. Plants should be set in rows  $2\frac{1}{2}$  to 3 feet apart and 12 to 18 inches in row.

Of recent years a very satisfactory method has been to sow the seed right out in the field, the same as sugar beets and thin after the plants get three inches tall. This is much cheaper than growing in beds, and then transplanting to the fields, besides the plant is not retarded in its growth after being set to the field. While we sell cabbage plants, yet we advise you to grow your own, as transportation from one locality to another is never so satisfactory.

### Evergreen Hollander Cabbage

Original Strain—Sold Only in Sealed Packages

**COLORADO'S MOST POPULAR LATE SHORT STEM CABBAGE**

Plant No Other—Buy No Other

**EVERGREEN HOLLANDER CABBAGE.** Is our own origination and we control the strain. It can only be secured from us and then only in sealed packages bearing our Gold Seal trade mark. If you buy this seed from us and with proper care and attention, do not raise the finest crop of Holland Cabbage you ever grew, we will refund your money. You cannot get the genuine strain except in Gold Seal packages.

Our experience, as a shipper of cabbage and vegetables, is that our Evergreen Short Stem Hollander Cabbage has no equal, and as we handle thousands of tons annually, our word may be relied upon. Evergreen Hollander excels in quality—the heads are uniform, solid, heavy, and crisp. It will equal and outyield all other varieties under similar conditions. The instance has been known where twenty tons per acre was secured from good, strong ground with proper attention and handling. It has wonderful keeping qualities, and consequently is much sought after by carlot shippers. The rich, green color of the heads is retained as long as they exist. We have seen Evergreen Hollander taken out of pits as late as March 5th and the heads were as green as when buried. Prices, postpaid: Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; 1 lb., \$2.50.

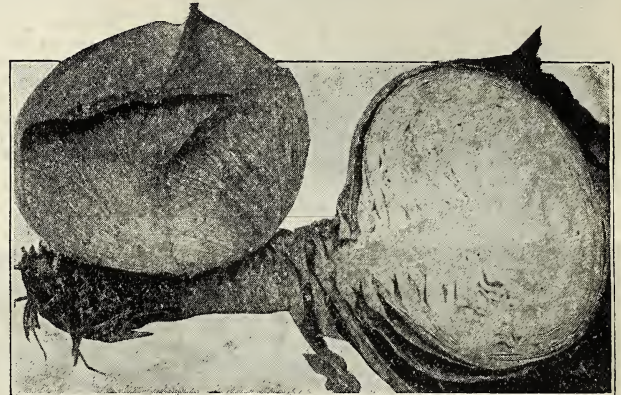
**EARLY JERSEY WAKEFIELD.** For many years or until Copenhagen Market was introduced this was the leading early cabbage; a very satisfactory sort where an early, pointed head is desired. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 80c; 1 lb., \$2.00.

**DANISH ROUNDHEAD, SHORT STEM (Gold Seal Quality).** The Cabbage Grower's Friend. One of the grandest of all cabbages, and it is now more extensively grown throughout the United States than any other variety, and one year after another it has given the cabbage growers wonderful results. This one variety alone has done more to place Colorado among the leading cabbage states in the Union than all other varieties combined. It is just 16 years ago that this firm persuaded the growers of cabbage to try this variety instead of the old-fashioned Holland, the Drumhead and the Flat Dutch. The Danish Roundhead Short Stem never fails to produce a good crop of cabbage. This variety is inclined to grow on a very short stem and

and produces rounded heads of a dark green color. When the seed is sown in the open, it matures about the last of September, while in the dry hot seasons it will mature about 2 weeks earlier. Recommended by us as a good heavy yielding main crop cabbage. Postpaid, pkt., 10c; 1 oz., 25c;  $\frac{1}{4}$  lb., 80c; 1 lb., \$2.50.



Danish Round Head Short Stem.



Evergreen Hollander.

**GLORY OF ENKHUIZEN.** This variety has now taken the position of the leading and most desirable midseason cabbage because it is very dependable as a crop producer. Heads are good size, solid, round in shape, good green color. It matures right after European and Copenhagen Market and just before the Hollander and Danish Roundhead. Our seed is grown for us in Holland by a specialist. Postpaid, pkt., 10c; 1 oz., 30c;  $\frac{1}{4}$  lb., 80c; 1 lb., \$2.50.

**WISCONSIN DISEASE RESISTANT.** In many districts late cabbage growers have trouble with their plants when about half grown, turning yellow, also decay developing in stems and roots, and plant wilting, which is commonly known as "yellows." This strain of late cabbage, of true Holland type, was especially bred so as to be practically immune to this disease. Price, pkt., 15c;  $\frac{1}{2}$  oz., 50c;  $\frac{1}{4}$  lb., \$1.50; 1 lb., \$4.00.



# Cabbage

## DANISH BALLHEAD SHORT STEM (Gold Seal Quality).

A new type of cabbage introduced by us ten years ago and readily accepted by those who tried it as a very desirable sort for the late kind that can be put in the ground for midwinter use. If planted on good ground an enormous yield can be expected, for the heads, when matured, are all of a good size and very solid; it shows its good breeding by the bluish tints in the veins. Highly recommended as one of the best late Hollander cabbages and we predict that in the future it will be grown more than any other sort. It matures between the Danish Roundhead, Short Stem and the Danish Ballhead, Long Stem. Postpaid, pkt., 10c; 1 oz., 25c;  $\frac{1}{4}$  lb., 80c; 1 lb., \$2.50.

## EARLY WINNIGSTADT (Gold Seal Quality).

The old, reliable, well-known, standard cabbage for the market garden. A favorite among growers who have good, rich land. It always meets with ready sales on account of its fine appearance. The heads are pointed, compact, hard, of rich green color and uniform in size, making it a very desirable shipping cabbage. Many growers plant Winnigstadt for their main crop to sell to the shipping trade, who demand a medium-sized, green cabbage that will stand handling. Winnigstadt can be planted closer in the rows than other types, for its growth is upward to a point instead of spreading and round. If planted close on good ground a heavy yield is assured, for Winnigstadt never fails to make a head. Postpaid, pkt., 10c; 1 oz., 30c;  $\frac{1}{4}$  lb., 90c; 1 lb., \$2.50.



Glory of Enkhuizen Cabbage.

## Red Cabbage

**EARLY RED ROCK.** This is an improvement over the old Red Drumhead, being earlier and of better shape and more solid, with good sized heads. Color runs even through the head. It is 2 to 3 weeks earlier than the Mammoth Red Rock. Postpaid, pkt., 5c;  $\frac{1}{2}$  oz., 25c; oz., 40c;  $\frac{1}{4}$  lb., \$1.25; 1 lb., \$4.00.

**MAMMOTH RED ROCK.** This is a late maturing variety, very solid and satisfactory. Heads are round, of dark bluish red throughout the head. It matures about the same time as Danish Round Head green cabbage and is an excellent variety for storage. Postpaid, pkt., 5c;  $\frac{1}{2}$  oz., 25c; 1 oz., 40c;  $\frac{1}{4}$  lb., \$1.25; 1 lb., \$4.00.

## Savoy Cabbage

**EARLY ULM SAVOY.** This is the earliest of the Savoy Cabbage. Head pointed. Postpaid, pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., 90c; 1 lb., \$3.00.

**PERFECTION DRUMHEAD SAVOY.** The hardest heading and best all-around Savoy. Plants strong and the large, solid head blanches beautifully. Fine flavor. Postpaid, pkt., 10c; 1 oz., 35c;  $\frac{1}{4}$  lb., 90c; lb., \$3.00.



Perfection  
Drumhead  
Savoy Cabbage.

## Chinese Cabbage, Pe-Tsai

A new vegetable that is becoming very popular wherever tried. Market gardeners who have planted it have found ready sales and are now growing and cultivating larger patches of Chinese Cabbage each year. This new vegetable is of the cabbage type and the seed can be planted in the open and thinned out, leaving the plants 15 to 18 inches apart. When nearly full grown the outer leaves should be gathered about the head and tied at the top; in the same manner as you would tie cauliflower. This allows the head to bleach and become tender. When preparing for the table it should be boiled the same as cabbage or used as cold slaw. Postpaid, pkt., 10c; 1 oz., 35c;  $\frac{1}{4}$  lb., \$1.00; 1 lb., \$3.50.

## Cabbage and Cabbage Seed

Cabbage is one of our specialties. We are the largest shippers of Cabbage in Colorado, also the largest dealers in Cabbage seed, so of course, we are anxious that you produce a good crop. We supply the quality of seed that will produce such a crop. To realize the best prices from your Cabbage crop, keep the plants free from lice and worms; use same insecticides for Cabbage as for cauliflower. (See page 11).



Chinese Cabbage, Pe-Tsai.



# Cauliflower

We are the largest dealers in Cauliflower Seed in the West. Prices given below are postpaid.

**CULTURE.** For early crops, sow seed in hotbeds during February. They should be gradually hardened off before setting out in the field, which should be about the first of May.

For midseason crops, plant seed in cold frames. For late crops plant in open ground and after plants are 4 to 6 inches high, transplant to field.

Cauliflower is grown much in the same manner as cabbage. To make the best, largest and whitest heads the plants need cool moist weather, well enriched soil and thorough cultivation.

After the heads begin to form, the leaves should be drawn up around them and tied at the ends, thus preventing the light getting to the heads and bleaching the cauliflower a snowy white.

**Caution!** The roots of cauliflower must at no time be allowed to become dry either in the plant bed or in the field as it causes the plants to produce what is known as a button or irregular, imperfect, discolored head.

**INSECTS AND WORMS.** Don't fail to destroy the worms and bugs that appear on cauliflower. This is very easily done by dusting the plants with Slug Shot, or better, a mixture of 50 lbs. Dehydrated Lime, 1 pint of Nicotine Sulphate and ½ lb. Paris Green, thoroughly mixed and dried.



Mountain Snowball.

Cauliflower, like Lettuce and Peas, is being grown to perfection in our mountains, for it does best in a rather cool climate, and each year an increasing number of cars will be shipped.

## Cauliflower Plants

While we grow cauliflower plants to sell, yet, we advise anyone who anticipates growing cauliflower to raise their own plants. Experience has proven that plants started in the locality in which the cauliflower is to be grown do far better than plants shipped in. It is cheaper to grow your own plants. It is not necessary that you have glass. Muslin covers are just as good.

We are large handlers of cauliflower and would like to hear from growers who are anticipating putting in crops in the mountains.

**EARLY SNOWBALL (Gold Seal Quality).** It is the earliest cauliflower and the one cauliflower that is absolutely certain to head when conditions are ordinarily favorable. It is of very dwarf and compact growth, with large, beautiful and snow-white heads. It is five days earlier than Extra Early Erfurt.

This variety is especially recommended where it is desired to grow for the early market when prices are high. Our supply of this variety is limited and we recommend growers placing their orders early. Pkt., 25c; ¼ oz., 75c; oz., \$2.25; ½ lb., \$7.00; 1 lb., \$28.00.

**MOUNTAIN SNOWBALL.** This variety is one of the leading sorts for mountain main crop. The heads are pure white, compact, thick, and heavy; foliage is dark green, heavily ribbed. A most desirable sort for shipping as a field of this is very uniform in size and the flower is slow to rice. Pkt., 25c; ½ oz., 75c; 1 oz., \$2.50; ¼ lb., \$9.00; 1 lb., \$28.00.



(New) Extra Early Mountain Snowball.



Maxine Snowball Cauliflower.

**MAXINE SNOWBALL or SELF-PROTECTING SNOWBALL.** This strain of cauliflower was so highly recommended to us by the largest cauliflower seed growers of Europe that we secured samples and tested it out. To our surprise we found it to be one of the best grades of cauliflower ever grown in our vicinity. It is early and a heavy yielder of even-sized and very firm heads. The foliage is very dense and overlaps the tender flower, thus protecting it from the hot sun and making it an almost sure crop. This strain we highly recommend to growers of cauliflower. It is a sure cropper. Pkt., 25c; ¼ oz., 90c; oz., \$2.50; ¼ lb., \$9.00; 1 lb., \$30.00, postpaid.

## (New) Extra Early Mountain Snowball

A Cauliflower of Exceptional Merits and Quality

We gave this strain widespread trials at various districts during the season 1928. We have reports from New York State, Toronto, Canada, and New Jersey. They all report it an exceptionally desirable variety, but the most thorough trial was made for us by Mr. Fred Trout at Hillside, Colo.

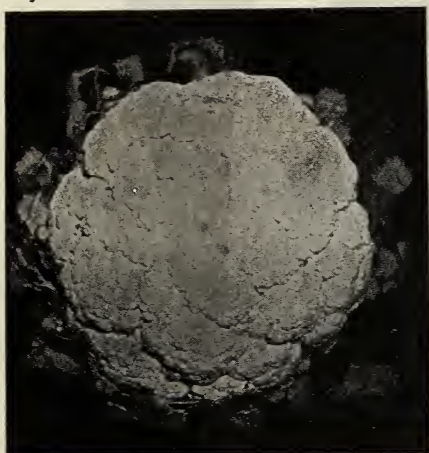
This trial was made under regular growing conditions, that is, the seed was sown in the open with other varieties; the plants were set in the field with other Cauliflower. The result was that this Cauliflower was all cut and shipped before the other varieties, which were grown in the same identical ground and conditions, were ready. It produces an exceptionally fine, white, solid, balloon shaped head.

The supply of this seed is very limited and can only give each customer a limited amount. Pkt., 30c; ½ oz., \$2.00; 1 oz., \$3.50; ¼ lb., \$11.00.



# Cauliflower

**DANISH PERFECTION** (Gold Seal Quality). Is a very fine and improved variety of the Dwarf Erfurt type. While this cauliflower has only been on the market a short while, yet, year in and year out for midseason crop we recommend it as the most profitable and satisfactory cauliflower to plant, because it is surer to head in hot weather; produces a compact white head of very attractive appearance which is well protected with large, erect outside leaves. It is very uniform in maturing and to use the words of the originator, the entire crop can be harvested at one time for cutting. This variety is especially recommended for dry season. Pkt., 25c;  $\frac{1}{4}$  oz., 70c; 1 oz., \$2.00;  $\frac{1}{4}$  lb., \$7.50; 1 lb., \$27.00, postpaid.



Johnson's Special Strain Snowball.

**JOHNSON'S SPECIAL STRAIN OF SNOW-BALL.** We have placed this strain of Cauliflower in competition with the finest and highest-priced seed sold by all the best dealers in this country and Europe, and have found nothing to equal it in certainty of crop and perfect white heads. It has won the approval of the critical gardeners, being the most reliable sort grown. It is not only suitable for early use, but it is superfine for late planting. The heads are hard and solid and do not spread as do some of the inferior sorts. No other equals it in purity of color, being clear snow-white. Pkt., 25c;  $\frac{1}{4}$  oz., 90c; 1 oz., \$2.50;  $\frac{1}{4}$  lb., \$9.00; 1 lb., \$30.00, postpaid.



Danish Dry Weather.

**SILVER SPRAY.** Early. Is a new introduction. After thorough trials we are satisfied it is superior to any other early Cauliflower and especially adapted to heavy soils. Pkt., 25c;  $\frac{1}{4}$  oz., 75c; 1 oz., \$2.50;  $\frac{1}{4}$  lb., \$9.00; 1 lb., \$30.00.

**EARLY DWARF ERFURT.** For the very early market we recommend this variety; it grows on a short stem; produces solid white heads. As you will note the price of this Cauliflower is very reasonable and planters should not hesitate in using this variety because of this reason. Especially recommended for mountain growing. Price, postpaid: Pkt., 15c;  $\frac{1}{4}$  oz., 65c; 1 oz., \$1.75;  $\frac{1}{4}$  lb., \$6.50; 1 lb., \$22.50.

**DANISH DRY WEATHER.** A very large second early variety, producing immense compact heads, with remarkable heat-resisting qualities. Does well when grown for a fall crop. Prices, pkt., 25c;  $\frac{1}{4}$  oz., 75c; 1 oz., \$2.00;  $\frac{1}{4}$  lb., \$7.50; 1 lb., \$25.00, postpaid.

**EARLY PARIS.** A hardy variety quite easy to grow and forming good heads. Pkt., 10c;  $\frac{1}{4}$  oz., 35c; oz., 90c, postpaid.

Cauliflower, like Cabbage, is one of our specialties. It is the fourth largest crop produced in Colorado and with good seed and a reasonable amount of care, Colorado and New Mexico growers are providing the very best quality of Cauliflower. But like Cabbage, Cauliflower must be kept free from worms and aphids. This is easily done if you apply poison early. Do not wait until the plants are covered with lice or eaten up by worms.

The following is a very effective and cheap poison:

50 lbs. Dehydrated Lime  
 $\frac{1}{2}$  lb. Paris Green  
1 pint of Nicotine Sulphate

Mix thoroughly. Dust over plants with one of our dusters (Pages 92-93) or a can with small holes in the bottom will often answer the purpose. The ingredients can be obtained from us ready for mixing.

## Amount of Vegetable Seeds Sown to the Acre.

	Quantity Per Acre		Quantity Per Acre
Artichoke, Jerusalem. Roots .....	400 to 500 lbs	Leek. $\frac{1}{3}$ oz. to 100 ft. of drill .....	4 lbs.
Artichoke. 1 oz. to 400 plants .....		Lettuce. 1 oz. to 100 ft. of drill .....	2 to 4 lbs.
Asparagus. 1 oz. to 40 ft. of drill .....		Melon, Musk. 1 oz. to 75 hills .....	2 to 3 lbs.
Beans, Dwarf. 1 lb. to 100 ft. of drill .....	40 to 60 lbs.	Melon, Water. 4 ozs. to 100 hills .....	4 to 5 lbs.
Beets, Table. 1 oz. to 50 ft. of drill .....	6 lbs.	Nasturtiums. 2 ozs. to 10 ft. of drill .....	15 lbs.
Beets, for Sugar. 1 oz. to 50 ft. of drill .....	12 to 20 lbs.	Okra. 1 oz. to 100 ft. of drill .....	8 lbs.
Beets, Mangel. 1 oz. to 50 ft. of drill .....	7 lbs.	Onion Seed. 1 oz. to 100 ft. of drill .....	4 to 5 lbs.
Brussels Sprouts. 1 oz. to 3000 plants .....		Onions, for sets .....	10 to 12 lbs.
Cabbage. 1 oz. to 2000 plants .....	$\frac{1}{4}$ to $\frac{1}{3}$ lb.	Onion, sets in rows .....	8 to 10 lbs.
Carrot. 1 oz. to 160 ft. of drill .....	3 lbs.	Parsnips. 1 oz. to 200 ft. of drill .....	5 to 6 lbs.
Cauliflower. 1 oz. to 2000 plants .....	$\frac{1}{4}$ lb.	Parsley. 1 oz. to 100 ft. of drill .....	2 to 3 lbs.
Celery. 1 oz. to 3000 plants .....		Peas, Garden. 1 lb. to 150 ft. of drill .....	60 to 75 lbs.
Chicory. $\frac{1}{2}$ oz. to 130 ft. of drill .....		Pepper. 1 oz. to 1500 plants .....	$\frac{1}{4}$ lb.
Corn. 1 lb. to 100 hills .....	10 to 12 lbs	Peas, Field. In drills .....	75 to 100 lbs.
Cow Peas. Broadcast .....	120 to 150 lbs.	Pumpkin. 4 ozs. to 100 hills .....	2 to 3 lbs.
Cress. $\frac{1}{4}$ oz. to 100 ft. of drill .....		Radish. 1 oz. to 100 ft. of drill .....	8 lbs.
Cucumbers. 1 oz. to 75 hills .....	2 lbs.	Salsify. 1 oz. to 100 ft. of drill .....	8 lbs.
Dill. $\frac{1}{2}$ oz. to 100 ft. of drill .....	3 to 5 lbs.	Spinach. 1 oz. to 100 ft. of drill .....	10 lbs.
Eggplant. 1 oz. to 1500 plants .....	$\frac{1}{4}$ lb.	Squash, Summer. 4 ozs. to 100 hills .....	2 lbs.
Endive. 1 oz. to 100 ft. of drill .....	$\frac{1}{4}$ lbs.	Squash, Winter. 8 ozs. to 100 hills .....	3 to 4 lbs.
Kale. 1 oz. to 3000 plants .....	$\frac{1}{4}$ lb.	Tobacco. 1 oz. to 4000 plants .....	
Kohl-rabi. $\frac{1}{3}$ oz. to 100 ft. of drill .....	4 lbs.	Tomato. 1 oz. to 3000 plants .....	$\frac{1}{4}$ lb.
		Turnip. 1 oz. to 150 ft. of drill .....	4 to 6 lbs.



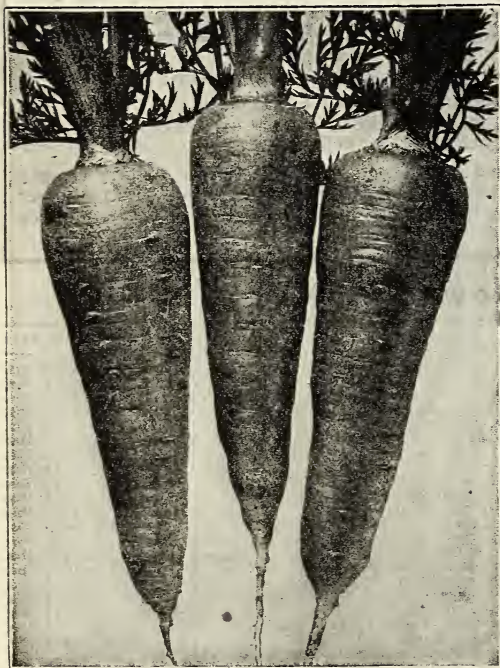
French Grown for Quality

Seed Tested for Germination



**Our Carrot Seeds are all Selected French Grown and Can Be Depended Upon as They Have Been Tested.**

**CULTURE.** The Carrot will do well in any good, well worked soil. For early use sow the seed when the ground is fit to work, in rows 15 inches apart, and when 2 inches high, thin out so that the plants stand 2 inches apart in the row. For fall and winter use, sow the seed from the 1st to the 15th of June. The roots may be stored in cellar or pit, covered with dirt, where they will keep solid until late in the Spring.



Early Half-Long Nantes.

**CHANTENAY (Gold Seal Quality).** We consider this the standard Carrot, for when young it is about equal to the Nantes for bunching, and later when they increase in size are the best for sacking or for washing and to be sold in bushels. The Carrots grow about 6 inches long, fine grained, sweet, and sugary. It is not as long as the Half-Long Danvers, and is more stump rooted and not apt to crack open while growing. An excellent table variety and heavy cropper. Our seed is most carefully selected. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; 1 lb., \$1.00, postpaid.

**DANVERS HALF-LONG (Gold Seal Quality).** The most popular variety with nine-tenths of the market gardeners in this vicinity. It will produce more than any other kind, and cannot be equalled as an all around Carrot. Very suitable for bunching for summer sales, and on the other hand, being an excellent keeper, it may be stored in pits, when the tops are cut, and sold during the Winter. It is rich orange in color and a bumper cropper—much favored for stock feeding. Grows 5 to 7 inches long, 2 to 2 $\frac{1}{2}$  inches wide at the top. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; 1 lb., \$1.00, postpaid.

**EARLY HALF-LONG NANTES (Gold Seal Quality).** This variety is the earliest of the standard sorts and on account of its fine bright color is planted very extensively in this section for a bunching carrot, presenting a very fine appearance when bunched. It is sweet and fine flavored, almost without a core, very fine grained. Excellent for home garden, as well as for the market. One of the finest in quality and handsomest in shape of the medium sized sorts. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; 1 lb., \$1.00, postpaid.

**FEONIA.** A carrot of great promise, its bright orange-scarlet color, its splendid size, shape, and productiveness all being very much in its favor. Although a cross between the Nantes and Chantenay, it resembles the Hutchinson more than any other, but the top is not quite so green. We feel that it will quickly take a leading place among the sorts grown for bushel sales. Try it in your garden this year. You will be pleased with its good qualities. Pkt., 10c;  $\frac{1}{2}$  oz., 15c; oz., 20c;  $\frac{1}{4}$  lb., 65c; lb., \$2.00, postpaid.



**CARROTS—Continued**

**EXTRA EARLY SCARLET HORN.** This variety should not be planted for the main crop. Its growing should be confined to the extra early marketing when as yet there are none of the standard varieties offered. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; 1 lb., \$1.00, postpaid.

**OXHEART or GUERANDE.** The most popular and heaviest cropper among the short carrots. The shape is very desirable for heavy soils. The true type is about 4½ inches long and 3 inches thick at the shoulder, tapering slightly to the bottom, and is very stump rooted. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00, postpaid.

**FRENCH CORELESS.** This is a half-long, cylindrical carrot, blunt pointed with small tap-root and small top. They run uniform in size and shape, 6 to 7 inches long by 1½ inches through, clear skinned, easily pulled, and keep well. The flesh is fine in texture, sweet and mild flavored, entirely devoid of stringiness, coarseness or wood-heart or core. Color of flesh is rich red-orange. Excels other half-long carrots in earliness without being inferior in productiveness. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.15, postpaid.

**CARROTS FOR STOCK FEEDING**

**Attention—Don't Fail to Plant at Least a Few Carrots for Your Stock**

Carrots make a healthy and desirable food for horses, and every horse owner should plant them liberally, so as to give his horses an occasional feed of carrots through the winter. They are also very desirable for feeding to hogs and cattle and make a tonic and alterative food which is of decided benefit. Plant in March, April or May—the earlier the better—at the rate of 3 to 4 pounds per acre. Cultivate same as mangel beets.

**MASTODON CARROT.** This abundant yielder is strictly a stock carrot and grows to be of enormous size. Now, if you want a good winter feed for your stock don't overlook this new wonder, for it is just what your horses and other stock need. There is no use to tell you what carrots do for stock, for everybody knows that a horse or a cow likes carrots. But, speaking of carrots, this extra large, massive, heavy producer is what you want to plant for a stock carrot. Plant 2 pounds to the acre of this seed. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 90c, postpaid.

**IMPROVED LONG ORANGE.** This variety should not be planted for market use, although it has a good color and the same flavor as the Danvers, but owing to its long, tapering growth it does not sell well for table use. It is grown extensively for stock feeding. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c, postpaid.

**GIANT WHITE BELGIAN.** Roots grow one-third above ground, are white below and green above ground; small tops; flesh somewhat coarse, roots large size, and are extensively grown for stock feeding. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c, postpaid.

**GIANT YELLOW BELGIAN.** They do not produce as large roots as the White Belgian; the flesh is less coarse. It grows about 11 inches in length and 3 to 3½ inches in diameter at the crown. Gives a large yield and is very easy to harvest. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c, postpaid.



Oxheart Carrots.



Giant Yellow Belgian.



Chantenay Carrot.

**SOUP COLLECTION**

SPECIAL PRICE, 25 CENTS, POSTPAID

1 Pkt. Carrots  
1 Pkt. Celery

1 Pkt. Cabbage  
1 Pkt. Parsley  
1 Pkt. Peas

1 Pkt. Turnips  
1 Pkt. Onions

Regular Price, 45c



# Celery

## Our Celery Seed is Tested and Guaranteed Pure

Celery is one of the main vegetable crops of Colorado. Next to Cabbage and Lettuce it is the largest crop of vegetables produced in Colorado. While there are many varieties of Celery, only a few sorts prove profitable, namely: Golden Self-Blanching, Giant Pascal, Golden Summer and Hartner's Country Club.

**CULTURE FOR SUMMER CELERY.** Seed is started in hotbeds the middle of March and requires close attention, keeping the seed bed moist and giving plenty of air. Plants should be set out any time between the 1st and 20th of May. Best results are obtained from double rows, that is, set plants on each side of the irrigating ditch. Set plants from 6 to 8 inches apart in the rows, and double rows 3 to 3½ feet apart.

Self-Blanching Celery requires close attention and plenty of cultivation, as it is very injurious to the crop if the plants are allowed to stunt, which is caused from lack of cultivation and improper irrigation. Celery requires plenty of water, but water should not be allowed to stand in the rows.

After the Celery is about ready to harvest it can either be bleached with paper, boards or by banking with dirt. The former method is used when early Celery is desired. Bleaching with boards is quite expensive and growers of large fields usually bleach with paper or with dirt. Very often the summer varieties after they are fully matured will bleach without boards or banking.

If grower desires to keep Celery later than October 20th, it should be confined to trenches for protection against the cold.

**CULTURE FOR WINTER CELERY.** Seed should be sown as late as April 15th and planting outdoors can be done any time from June 1st to July 25th. This variety of Celery requires artificial bleaching, either by wrapping each stalk separate with paper or by trenching. The former method is only used when early pascal Celery is desired, but for flavor, quality, and long keeping, trenching is necessary. After the stalks have been stored in trenches some time, the hearts make considerable growth and it is this heart which was produced in the trench while stored that is so palatable.

**HARTNER'S GIANT PASCAL.** This Pascal is an improved and highly developed strain of Giant Pascal. It is much larger than the regular Pascal and free from soft stalks. The seed is grown in Colorado. Its appearance and form are perfect, and its eating qualities are better than any celery ever offered for the table. It is free from strings, crisp, and sweet, and does not get soft. For the market gardener and winter Celery growers there is none better. Its earliness and size make it the most profitable of all Celery. By early, we mean that it grows to an enormous size and grows quick so that it can be wrapped in paper and bleached above ground weeks before frost. It can be harvested from the field at the high prices that prevail for early Pascal Celery. Thousands of dozens of Celery are sold this way and the grower does away with trenching; or else, it can be allowed to grow still larger and just before cold weather can be stored for the Winter in trenches, keeping perfectly until Spring. When taken out it will be bleached and possesses the rich, nutty flavor that is making it the favorite Pascal.

Strain A (Short Stalks). Pkt., 20c; ½ oz., 50c; oz., 75c; ¼ lb., \$2.25; lb., \$7.00.

Strain B (Tall Stalks). Pkt., 20c; ½ oz., 60c; oz., 80c; ¼ lb., \$2.60; lb., \$10.00.



New Golden Self-Blanching Celery.

**GOLDEN SELF-BLANCHING (Old French Strain)**—(Gold Seal Quality). This is the regular Golden Self-Blanching, that has been grown with success for many years from California to New York, from Washington to Florida. While the new variety of Golden Self-Blanching will, no doubt, be planted to a greater extent than ever before, yet we feel that all growers who plant for shipping will do well to plant at least a part of their field to this old variety, because it holds up better after being cut, and for storing, we recommend this strain. Pkt., 10c; ½ oz., 60c; oz., \$1.00; ¼ lb., \$3.00; lb., \$8.00.

**GOLDEN SELF-BLANCHING (New French Strain).** This is the variety that has been grown so extensively in this district for the past four years. This strain grows 8 to 10 inches taller than the old strain. The rib stalks are broader and it does not contain as many heart stalks as the old strain, but it is a very vigorous and healthy grower. Pkt., 15c; ½ oz., 70c; oz., \$1.00; ¼ lb., \$3.50; lb., \$12.00.

**MAMMOTH GOLDEN SELF-BLANCHING.** New. This variety is an improvement on the French strains, being equally as tall as the New French Strain, but has more heart stalks, a robust grower, seed is of high vitality. We consider it the leading Summer variety. We have given this new seed a thorough trial and find it very satisfactory.

We believe that as soon as it is once tried, growers will plant no other Summer variety. Pkt., 10c; oz., 80c; ¼ lb., \$2.75; lb., \$10.00.

## CELERY PAPER

In the large celery growing districts of Florida and California they no longer use boards for bleaching their celery, but a special made paper is used, which is cheaper and more economical than boards, quicker and cheaper to put on, and lasts just as long. Price, roll, 12 inches wide, 310 feet long, \$2.25, not prepaid.



Celery is the Third Largest Crop of Vegetables in Colorado.





Hartner's Giant Pascal.

so until the stalk, which was originally dark green, becomes whitened. Although Pascal, when treated in this manner, brings a very good price, it does not acquire as sweet a flavor as when trenched. This strain of seed is French-grown and of very good quality; however, planters who grow for the market prefer Hartner's Giant Pascal, which is listed here. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 80c; lb., \$2.50, postpaid.

## Chicory

**WITLOOF, or FRENCH ENDIVE.** Is used principally as a winter salad, and it is most delicious served with French dressing. The seed should be sown in the open ground not later than June, in drills 12 to 18 inches apart and the seedlings should be thinned out to stand not closer than 3 inches. The plants form long, parsnip-shaped roots which are lifted in the Fall, trimmed of leaves and stored in a cool place until wanted for forcing. The roots should be planted upright about  $1\frac{1}{2}$  to 2 inches apart in a trench 16 to 18 inches deep. The roots when grown as above produce leaves which are delicious as a winter salad. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 90c, postpaid.

**IMPROVED LARGE LEAVED.** As the name indicates, the leaves of this sort are larger than the common kinds. This is a very superior variety. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50, postpaid.

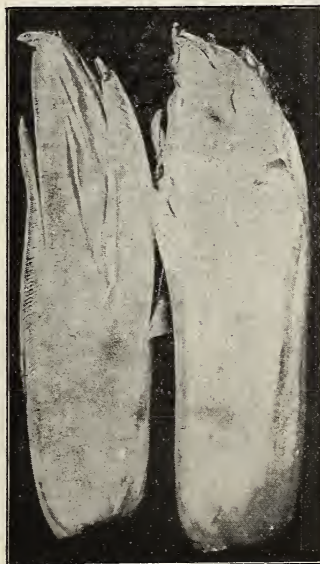
**LARGE ROOTED.** The roots are cut in thick slices, roasted and used instead of coffee. Leaves in the Spring are also used for salads. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50, postpaid.



Celeriac.

## Celeriac or Turnip Rooted Celery

Grown for the roots, which are large, turnip-shaped; tops very small. Although the consumption is limited, due to the fact that its eating qualities are so little known, for a salad it excels all other varieties of Celery, having a fine flavor. It can also be stewed or used for flavoring. It may be stored like beets and will keep all Winter. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 70c; lb., \$2.25, postpaid.



Witloof Chicory.

## CELERY—Continued

**COUNTRY CLUB or SALT LAKE CELERY.** Celery grown in the Salt Lake District has built up a wonderful reputation. Many authorities consider it superior to the Pascal. The stems or stalks are thick and meaty, producing very sturdy plants with a large heart, however the outer stalks are just as palatable. From experience we find this celery is not adapted to trenching but should be bleached by wrapping with paper or banking with dirt. Pkt., 25c; oz., \$1.00;  $\frac{1}{4}$  lb., \$2.25;  $\frac{1}{2}$  lb., \$4.00; lb., \$8.00, postpaid.

**GOLDEN SUMMER.** This is a cross between the Easy Bleaching and Golden Self-Blanching. It has the hearty robust habits of the Easy Bleaching and the color of the Golden Self-Blanching. We believe it will prove very valuable and will eventually take the place of the Golden Self-Blanching, as soon as its qualities are known. Pkt., 20c;  $\frac{1}{2}$  oz., \$1.00; oz., \$1.50; lb., \$20.00.

**SELECTED WHITE PLUME.** Almost self-bleaching. Its stalks and portions of the inner leaves and heart are nearly white. Early, of good flavor and fine texture; adapted to fall and early winter use; a good keeper up to the holiday season. Pkt., 10c;  $\frac{1}{2}$  oz., 20c;  $\frac{1}{4}$  lb., 80c; lb., \$2.50, postpaid.

**GIANT PASCAL (French).** By many, Giant Pascal is considered the sweetest and best flavored Celery grown and on account of its fine keeping qualities it is one of the best Winter varieties. The plants are usually started in cold frames and planted in the open during the month of June, and as late as July 10th. To enable the grower to market this variety earlier than November 1st, ordinary newspaper is used to wrap about the stalk while growing in the field, and left



Country Club.

## Chervil

A hardy plant which resembles double curled parsley and is used for flavoring and garnishing. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00, postpaid.

## Chives

An onion-like plant, used in salads and for flavoring soups. The plant also makes an excellent ornamental garden bed edging, which may frequently be cut, a new growth of leaves appearing soon after each cutting. One sowing will answer for about 3 years. Pkt., 5c;  $\frac{1}{4}$  oz., 25c; oz., 75c, postpaid.

(Chives Plants—See page 42)



# Sweet Corn

Our Prices are Postpaid Up To and Including Ten Pounds  
You Should Plant Western Grown Seeds

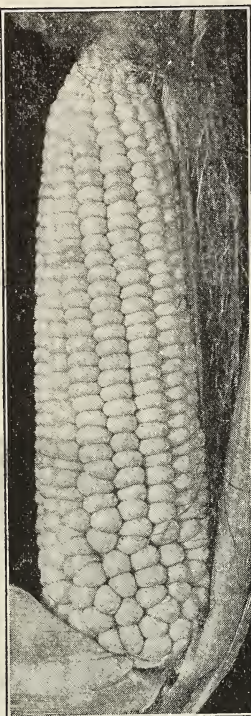
**CULTURE.** A rich, warm sandy soil is the best, but excellent sweet corn can be raised on any good, ordinary soil if it is deeply and thoroughly worked before planting. In the West sweet corn should be planted as early as can be done without risking great loss from frosts or from rotting of the seed in the soil. If planted in rows, make the rows about 4 feet apart and place the seed 14 to 16 inches apart in the row, covering 1 inch deep with fine soil firmly pressed down. If planted in hills, make the hills for the early varieties 3 feet apart each way and plant 6 kernels to the hill. For the later sorts the hills should be not less than 4 feet apart each way. Hoe frequently, and when 6 inches high thin so as to leave 3 or 4 plants in the hill. Give frequent and thorough but shallow cultivation until the tassels appear.

## Hartner's Pearl

The Earliest Sweet Corn in Cultivation

There is no other vegetable that is awaited with so much eagerness as the first Sweet Corn, but the great disadvantage with our first roasting ears is, they are either of very small size or they are not of a sweet flavor.

**HARTNER'S PEARL** is an extremely early variety of corn that has been thoroughly acclimated to our climate and will continue to grow throughout the early cold spring days when other varieties usually become stunted. Several experiments on different soils the past season proved the Early Pearl to be from 5 to 10 days earlier than any other variety of early corn. Besides being extremely early it produces good sized ears with 8 to 10 rows of exceptionally fine pearly Sweet Corn. It is superior to all other varieties of early corn for it withstands light frost and can be planted early in the Spring and will, from the day of germination, rush forward to meet the early demand for sweet green corn. It is a fine early corn for the garden and a money maker for the market gardeners. Postpaid, pkt., 5c; 2 oz., 10c; 1 lb., 30c; 5 lbs., \$1.35; 10 lbs., \$2.50. If by freight or express at purchaser's expense, 5c per lb. less.



Hartner's Pearl.

**EARLY GOLDEN BANTAM** (Gold Seal Quality). Is the sweetest, richest, and most tender sweet corn grown. One of the finest. The ears are from 6 to 7 inches long, eight rowed, filled with broad, sweet, golden yellow kernels of a delightful flavor. It may be planted from 10 days to 2 weeks earlier than most sweet corns, as it is not as apt to rot as many of the softer kinds. It is as early as the Cory and of much better flavor. It is always good, whether planted in the Spring or during the Summer. We advise all lovers of sweet corn to give "Golden Bantam" a trial. Prepaid, pkt., 5c; large pkt., 10c; ½ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.85. If by express or freight at purchaser's expense, 5c per lb. less.

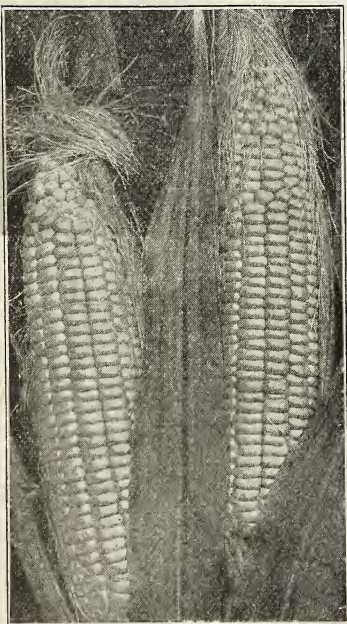
**STOWELL'S EVERGREEN** (Gold Seal Quality). This is the corn with the long, deep kernels; the kind you enjoy eating. This variety is the most widely known and best advertised of all late sweet corns, and therefore there is more Stowell's Evergreen planted for late crop than all other late varieties together. The large ears of 18 to 20 rows of long, deep, juicy, tender kernels makes it such a favorite. It produces an abundant amount of fodder. Postpaid, pkt., 5c; large size pkt., 10c; ½ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.85. If by express or freight at purchaser's expense, 5c per lb. less.

**EARLY MAYFLOWER** (Gold Seal Quality). In the Mayflower we offer you one of the earliest sweet corns, being ten days earlier than the Early White Cory. The ears are very much larger than the Cory, having ten and twelve rows of kernels, and in quality will be found far superior in spite of its extreme earliness. The stalks are six inches to a foot shorter than the Cory. Prices, pkt., 5c; large pkt., 10c; ½ lb., 15c; 1 lb., 25c; 5 lbs., \$1.15; 10 lbs., \$1.85, postpaid. If by express or freight at purchaser's expense, 5c per lb. less.

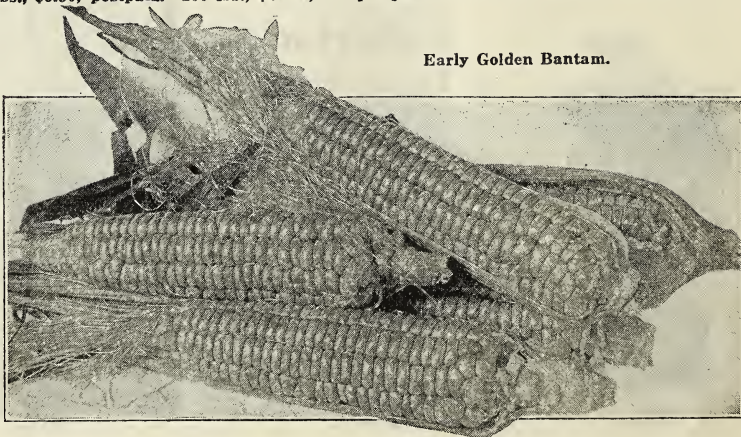
**EARLY DENVER SWEET CORN.** This is an exceptionally early Sweet Corn. In fact, it is claimed by some to be the earliest Sweet Corn. It grows on a very short stalk, quite often producing two ears to a stalk, and four to six ears to the hill. Because of the compact growth it can be planted close together for heavy yield. Mr. Fred Burger, the introducer of this corn, claims a yield of 100 bushels to the acre can be expected under favorable circumstances. This variety is also very desirable for stock feeders on account of heavy yield of ensilage fodder with grains. For districts with short seasons, we especially recommend Early Denver. Price, 1 lb., 65c; 5 lbs., \$3.00; 10 lbs., \$5.50, postpaid. 100 lbs., \$40.00, not postpaid.

Stowell's Evergreen.

Early Golden Bantam.



Early Denver.







## SWEET CORN—Continued

**COUNTRY GENTLEMAN or SHOE-PEG.** The sweetest and by many regarded as the most delicious of all sweet corn. A very productive sort, bearing several ears on a stalk, medium sized, covered with small, very irregular, deep, pure white kernels. A late variety. Postpaid, pkt., 5c; large size pkt., 10c; ½ lb., 15c; 1 lb., 25c; 5 lbs., \$1.15; 10 lbs., \$2.00. If by express or freight at purchaser's expense, 5c per lb. less.

**GOLDEN EVERGREEN or LARGE BANTAM SWEET CORN.** Leading market gardeners of the East have endorsed the Golden Evergreen as the best selling and most profitable yellow corn to grow. Few years ago we placed samples among corn growers near Denver, and they report very favorably as to its eating and selling qualities, stating that it is not extra early but follows the extra early and should be termed a "Second Early." Postpaid, pkt., 5c; 2 ozs., 10c; lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.00.

**GOLDEN SUNSHINE.** The earliest of the Golden Bantam type, maturing a week to ten days earlier than that variety. More dwarf in habit than Bantam, with ears 6½ inches long, containing 12 rows of broad, yellow, sweet grains. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 10 lbs., \$3.00, postpaid.

**EXTRA EARLY ADAMS.** This variety is not grown for its eating qualities (as it is not very sweet) but is planted for the early market, as the higher prices that are paid for the first roasting ears make it profitable. Postpaid, pkt., 5c; large size package, 10c; ½ lb., 15c; 1 lb., 25c; 5 lbs., 90c; 10 lbs., \$1.60. If by express or freight at purchaser's expense, 5c per lb. less.

**DE LUE'S GOLDEN GIANT.** It is very similar to the Golden Bantam, however, not quite as deep golden in color, nor quite so good in quality but ears are larger and a little later. Pkt., 5c; large pkt., 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.85. If by express or freight at purchaser's expense, 5c per lb. less.

**EARLY MINNESOTA.** An old favorite early sweet corn. Good sort for the market and home garden. Stalks about 5½ feet high, bearing 1 or 2 long eight-rowed ears. Grains very broad, sweet and tender. Postpaid, pkt., 5c; large size pkt., 10c; ½ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.85. If by express or freight at purchaser's expense, 5c per lb. less.

**PEEP O' DAY.** A very early small-eared variety of western origin. The stalks grow 3 feet high, are well leaved and average two fine ears to the stalk. Ears are small, about 6 inches long, well filled from butt to tip, having 10 rows of small grains, which are very sweet. Postpaid, pkt., 5c; large size pkt., 10c; ½ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.85. If by express or freight at purchaser's expense, 5c per lb. less.

**HOWLING MOB (Special Strain).** Our special strain of Howling Mob seed corn has won the favor of our best market gardeners. It has been bred to produce corn ready for the market 6 to 8 days earlier than the old strains. The stalks are strong and vigorous, producing 2 to 3 extra large ears to each stalk, and we have counted as many as 18 to 20 rows of pearly, tender grains to the ear.

Country Gentleman.

This corn is not only a very profitable corn for the market gardener but is also a favorite for the home gardens. Postpaid, pkt., 5c; large size pkt., 10c; ½ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.85. If by express or freight at purchaser's expense, 5c per lb. less.

**EARLY EVERGREEN (Gold Seal Quality).** The ears of this fine corn are 10 inches long, being mostly 14 to 18 rows; a magnificent kind for market gardeners and for main crop in the home garden. It ripens 10 to 12 days in advance of Stowell's Evergreen and remains green a long time. Two plantings will extend until frost, but the ears are not quite as large as Stowell's. Postpaid, pkt., 5c; ½ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.85. If by express or freight at purchaser's expense, 5c per lb. less.

**BLACK MEXICAN.** This corn when in condition for the table cooks remarkably white, but the ripe grain is black or bluish black. It is unsurpassed in tenderness and fine quality. Very desirable for family use. Postpaid, pkt., 5c; large size pkt., 10c; ½ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.85. If by express or freight at purchaser's expense, 5c per lb. less.

**WHITE COB CORY.** The main variety of corn for early planting, being one of the first of the sweet varieties. The stalks are usually from 4 to 4½ feet high, each bearing 2 or 3 ears that have 8 rows. Postpaid, pkt., 5c; large size pkt., 10c; ½ lb., 15c; 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.85. If by express or freight at purchaser's expense, 5c per lb. less.

## CORN SALAD

A most refreshing salad. Hardy, much used during Winter instead of lettuce. May be sown either in the Spring or Fall. Pkt., 5c; oz., 20c; ¼ lb., 60c.

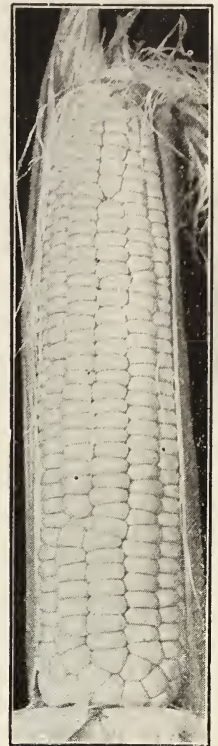
## CRESS

**GARDEN CRESS or PEPPER GRASS.** Much used with lettuce, to which flavor it adds an agreeable pungency. Pkt., 5c; oz., 20c; ¼ lb., 60c.

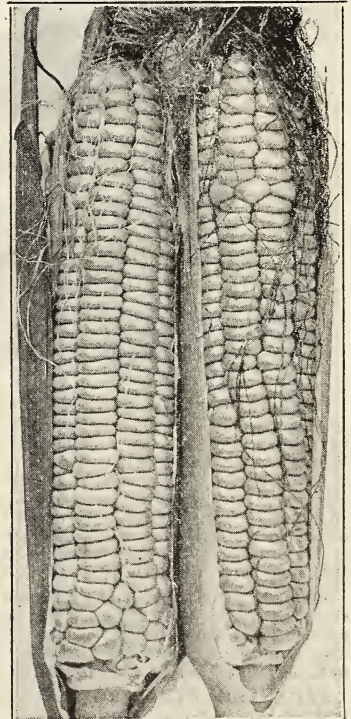
**TRUE WATER.** The pleasant, peculiar flavor of water cress makes it one of the most delicate salads for table use. It will grow where there is a supply of good fresh water. Pkt., 5c; oz., 60c; ¼ lb., \$2.25.

Water Cress.

POPCORN, SEE PAGE 83.



Early Mayflower.



White Cob Cory.





# Cucumbers

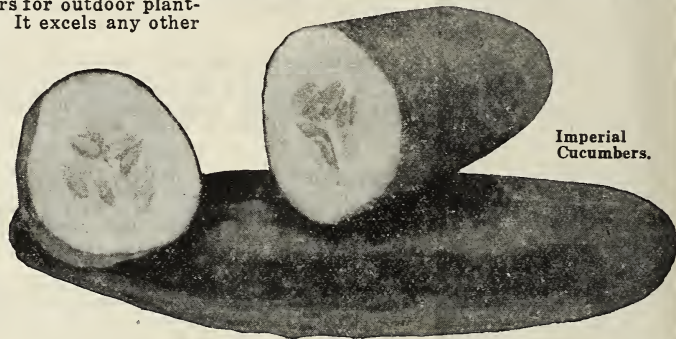
(Prices on Cucumbers Postpaid)

Our Cucumber Seeds are all Colorado grown, and will produce heavy crops—besides being dealers in Seeds, we are Colorado's largest shippers of Vegetables.

**CULTURE.** As soon as the weather has become settled and warm, plant in hills 4 to 6 feet apart each way, with 8 to 10 seeds in a hill. Cover one-half an inch deep, smoothing the hill off with the hoe. When the plants are out of danger of insects, thin out to 3 or 4 plants to a hill. Cultivate and hoe often until the plants begin to make runners or vines.

**IMPERIAL CUCUMBERS.** Another strictly Western Grown "Gold Seal" product that has attained the highest favor among the most critical cucumber growers in the country, and has taken the place of such valuable varieties as the Davis Perfect, Fordhook Famous, Long Green, White Spine, etc., among the market gardeners, because it is more prolific, of better color and more uniform in size, averaging from 10 to 14 inches in length. They are always straight and free from crippled or little necks, withstands blight better and has practically no seed chamber, but it is composed of almost solid white firm flesh that is most delicious in flavor. We especially recommend it to growers for outdoor planting, as a shipping cucumber. It excels any other variety for size, color, and keeping qualities. Postpaid, pkt., 10c; oz., 15c; ½ lb., 90c; lb., \$1.50.

**WESTERN GLASS.** This is a cucumber we have recently bred up, especially for hothouse cultivation; although many growers who tried it use it also for outside planting. It is extra long, 18 to 20 inches. Is unusually dark green, firm, and straight. Pkt., 15c; oz., 35c; ¼ lb., 90c; ½ lb., \$1.75.



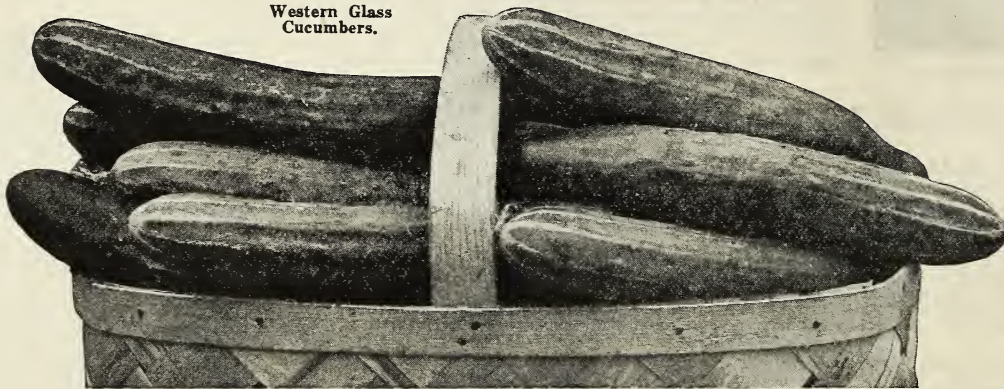
Imperial Cucumbers.

Davis Perfect.

**DAVIS PERFECT.** This is the popular cucumber so greatly used by all market gardeners, being productive, dark green in color, and grows 8 to 14 inches in length, having few seeds, and remains green a long time. A good keeper. Postpaid, pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**KLONDIKE.** This sort is a leader in many of the eastern markets for early or late crop. Fruits are of the improved White Spine shape, although they do not show as much white at the tips as the White Spine. They are long, of a deep green color, very productive and extremely early. Postpaid, pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

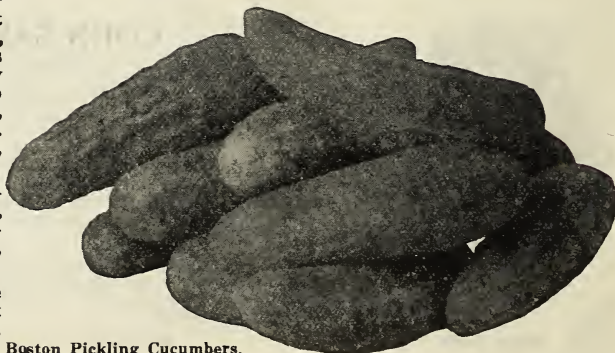
Western Glass Cucumbers.



**IMPROVED LONG GREEN.** The standard cucumber for either slicing or pickling, the Long Green enjoys about twice the wide use of any other. It is extremely prolific, medium late and for hardiness and disease-resistance is the best variety. The ends taper somewhat and it is slightly warted. For general use for all purposes there is no superior to Long Green. The small pickles are well shaped, while in the slicing stage the fruits are very attractive. It is sometimes called "London Long Green." Postpaid, pkt., 5c; large pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**WHITE SPINE or ARLINGTON.** A very productive variety, although not as green nor as long as Davis Perfect, being somewhat thicker than the other varieties. For pickling and slicing combined this is our selection. Postpaid, pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**JAPANESE CLIMBING.** A vigorous grower; can be trained on a trellis; fruits from 12 to 16 inches long, dark green, and smooth; flesh pure white, crisp, and tender. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50, postpaid.



Boston Pickling Cucumbers.



**CUCUMBERS—Continued**

**EVERBEARING.** An early and prolific variety. If fruits are kept gathered the vines will continue to bear throughout the season. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25, postpaid.

**EARLY CLUSTER.** Fruits slender and very desirable for pickling—very prolific. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25, postpaid.

**FORDHOOK FAMOUS.** This cucumber is the True White Spine type. The vines are vigorous, producing an enormous crop of perfectly smooth, dark green fruit, measuring 8 to 12 inches in length. They are always straight, never turn yellow, and are extremely solid. Flesh firm and white and most delicious in flavor. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25, postpaid.

**BOSTON PICKLING CUCUMBER.** This type of pickling cucumber is one of the old standards that has been in use for many years and, like the Chicago Pickling, is being used by many of the factories. The fruit can be used for any kind of pickles from the Gherkins to the Dill. For home use this is the favorite on account of its being so prolific. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00, postpaid.

**CHICAGO or WESTERFIELD PICKLING.** A variety grown extensively for the large pickling establishments throughout the country. Fruit is medium, pointed at each end, deep green color. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00, postpaid.

**SNOW PICKLING.** A new variety esteemed by growers and pickle factories above all others for pickling. It is an early maturing, very small, dark green pickle, cylindrical ends rather blunt. The stock we offer is true. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00, postpaid.



Snow Pickling.



Klondike Cucumber.

**Besides Being Dealers in Seeds, We  
are Colorado's Largest Shippers  
of Vegetables**

**Dandelion**

**FRENCH COMMON.** This is considered by many as the best variety and is by no means the same as our wild dandelion, being greatly improved. It is grown for the leaves, which are used as spinach and salads, roots being dried and sold for medicinal purposes. Pkt., 5c; oz., 25c, postpaid.

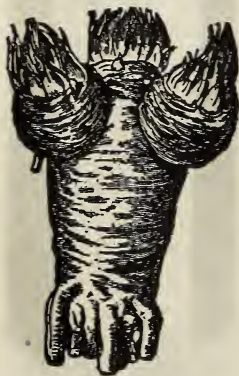
**Endive**

**GREEN CURLED.** Leaves finely cut and curled, presenting a very fine appearance. Postpaid, pkt., 5c; large size pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

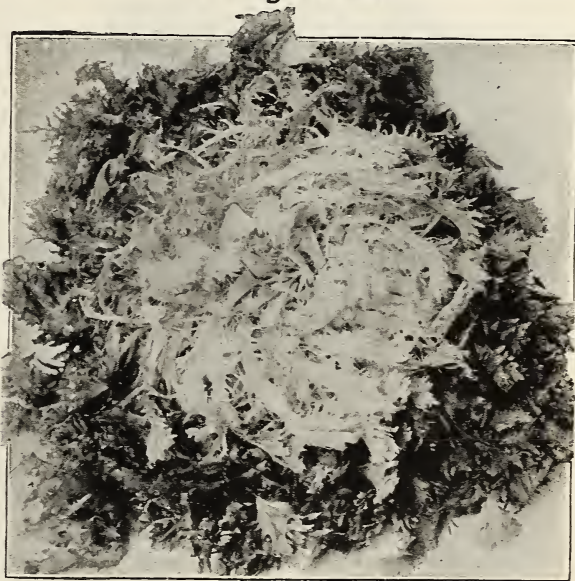
**BROAD LEAVED BATAVIAN.** Broad, thick wrinkled leaves form a very large head. Much used in soups and stews; also makes excellent salad. Postpaid, pkt., 5c; large size pkt., 10c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**Horseradish**

This well known vegetable needs no description. It produces no seeds, and is planted from roots only. Roots, 20c per doz., postpaid. See page 42.



Horseradish.



Green Curled Endive.



# Eggplant

**CULTURE.** In February or March, sow in hotbeds and keep warm. When 2 inches high, transplant to pots or to good rich soil, and about the middle of May set out in the open 3 feet apart each way. Eggplant must have deep and thorough cultivation.

**BLACK BEAUTY (Gold Seal Quality).** Ten days to two weeks earlier than the New York Improved. Fruit a little longer in shape and slightly darker. It is entirely free from spines around the corolla. Is of dark, rich, purplish black color. Very attractive. Slender for either early crop or very late planting. It is a healthy grower and a remarkable yielder. Pkt., 15c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.



Black Beauty Eggplant.

**NEW YORK IMPROVED (Gold Seal Quality).** This variety is a general favorite for both market and home gardens. The plant is spineless, large, and spreading, with light green foliage. It usually produces 4 to 6 large, oval fruits of a splendid dark purple color. The vigor and productiveness of the plants and the large size, earliness, and fine quality of its fruits, make it a most profitable variety for Market Gardeners. Pkt., 15c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.



New York Improved Eggplant.

## Garlic Sets

We have a selected lot of good, clean bulbs that will all grow. Those who are fond of this vegetable for flavoring should raise their own supply. ¼ lb., 20c; lb., 50c, postpaid. For larger amounts get our special price.



Early Vienna Kohl-rabi.

## Kohl-rabi

(Easy to Grow)

**CULTURE.** This vegetable, when young and tender, is fine for table use; when matured keeps splendidly, and is fine for soup flavoring. For early use, sow in hotbeds, transplant, and cultivate like early cabbage. For winter use, sow in rows in the middle of June or first of July, transplanting or thinning to 8 inches apart.

**EARLY WHITE VIENNA.** Skin light green, flesh white, leaves smooth and short. Well adapted to forcing. Pkt., 5c; oz., 25c; ¼ lb., 60c.

**EARLY PURPLE VIENNA.** The swollen stem and leaves are of purplish color; flesh attractive light green. Pkt., 5c; oz., 25c; ¼ lb., 60c.

## Kale

**DWARF CURLED SCOTCH.** Most popular variety for general use. Leaves much curled and very tender; color bright green. Postpaid, pkt., 5c; large size pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

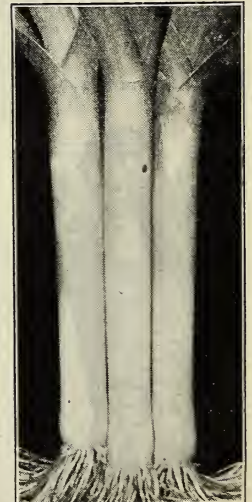


Dwarf Curled Scotch Kale.

## Garden Huckleberry

(Wonderberry)

While classed as a fruit, it belongs in the same family as the tomato and eggplant, being grown and cultivated in the same manner. It is an annual and produces fruit from seed the first year; is very easily grown and succeeds in any good soil. The seed should be started in boxes or cold frames and set out the same as cabbage and tomatoes and yields great masses of rich fruit all Summer and Fall. The fruit is as large as a grape and jet black when ripe. It is fine for cooking, having a flavor like the Huckleberry and makes delicious pies, jellies, preserves, jams, etc. Pkt., 10c; ¼ oz., 30c.



Giant Canadian Leek.

## Leek

A species of onion which does not form a bulb, but is used for its mild, delicious root stem or neck. Although it is not very well known to the American kitchen, yet wherever it has been tried it has been given a permanent place among the vegetables. It is much sweeter and milder than the onion, being used mostly for flavoring where the onion taste is desired, or it can be boiled the same as boiling onions and served with butter, salt, and pepper. Plant in rows and cultivate the same as onions, except when well grown hill up with earth to get a long white stem.

**GIANT CANADIAN.** Is the largest species introduced and is very suitable for our district. Prices, postpaid: Pkt., 5c; oz., 25c; ¼ lb., 75c.

**AMERICAN FLAG.** A very desirable variety. Prices, postpaid: Pkt., 5c; oz., 15c; ¼ lb., 50c.





## Lettuce

### Culture of Mountain Iceberg and New York

After the soil is thoroughly plowed and prepared, drill in rows on a compact seed bed two feet apart, planting seed one-half to one inch deep, and from one-half to one pound of seed to the acre. Two weeks after it comes up it is usually large enough to be thinned to single plants to a distance of at least 14 inches. Keep crop clean of weeds at all times, but deep cultivation is not desirable in our average Colorado soil. Irrigating should be done with great care. When weather is cold use water very sparingly as crop can be turned to a yellow cast and stunted very easily by too much water. If the

weather is inclined to be a little too warm, it is possible at times to save the crop by an abundance of water. This crop requires from 70 to 120 days for maturity from seeding time to harvest; the great difference in time required in different localities being caused entirely by soil and growing conditions of the weather.

## Extra Early New Mountain Iceberg

We are now able to offer to our Mountain Growers what we consider the greatest advancement in Lettuce Seed for Mountain growing. Our New Mountain Iceberg is not only equal to the best but it is ten days earlier and matures very uniform. We believe this to be the highest strain of New York Wonderful Lettuce produced anywhere in the United States. The seed of this variety is the result of careful selection of a single plant, and from this perfect plant was developed this new Early Mountain Iceberg.

Last Summer on our lettuce ranch at Pando, Colorado, we made trials on every strain of New York and Mountain

Iceberg that we considered had merits. We found our New Early Mountain Iceberg not only to be a week to ten days earlier but very uniform in heading and of large size. We consider this the greatest introduction to the lettuce growers that has been offered in ten years. Heads are more rounded and solid than the New York. We also had trials made of this seed in California and Arizona. Growers report that it is less susceptible to blight,

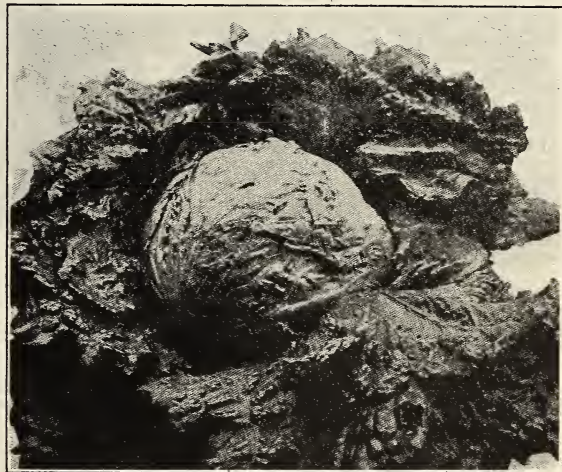
Price: Pkt., 15c; 1 oz., 35c; ¼ lb., \$1.40; 1 lb., \$4.00. 10 lbs., \$3.50 per lb., postpaid. Our supply is limited.

## Improved New York or Wonderful

This is the variety of Lettuce so extensively planted in Colorado, California and Arizona. This strain is an improvement on the regular New York. For main, middle season, and late crop, this is the strain of Lettuce that should be planted, and a better quality cannot be had when matured. Heads are large and solid—interior of which are creamy white. Price: 1-year-old seed, pkt., 10c; ½ oz., 15c; 1 oz., 25c; ¼ lb., 90c; 1 lb., \$2.50. Two-year-old seed, ¼ lb., \$1.00; 1 lb., \$2.75; large amounts, \$2.50 per lb.

**IMPERIAL NO. 2.** This strain of New York Lettuce is of recent development and is grown very extensively in the Imperial Valley, California, and Arizona. It is especially adapted to cooler conditions, and will stand more freezing weather than the regular New York Lettuce. It produces larger heads and is of very much darker green than the regular New York.

During mid-Winter, when the regular New York will hardly make satisfactory heads, the Imperial No. 2 grows with wonderful results. It is recommended for planting in districts where growth is slow. Pkt., 10c; ½ oz., 15c; ¼ lb., 90c; 1 lb., \$2.75; 10 lbs., \$25.00, postpaid.



New York or Wonderful Lettuce.



### Lettuce—Other Head Varieties

**LETTUCE CULTURE (Outdoor Planting).** Lettuce can be sown either broadcast or drilled in rows, but in either case must be thinned out, leaving the plants about 6 inches apart, so that they may have room to form a head. Before planting the seed, however, the ground must be thoroughly worked and a perfect seed bed must be prepared. Immediately after the third leaf starts to show start thinning and hoeing; being sure to cut out all the small weeds. To assure perfect, well-headed lettuce, patches should be hoed and weeded three or four times through the growing period.

**CULTURE (For Winter Forcing).** Make sowings from September to February. Sow the curled varieties about every four weeks, the Head or Cabbage sort about six weeks apart. As one crop is cut out another may be planted. For early Spring crop sow under glass in January or February, and transplant in the open. For Fall planting, sow the hardy varieties in September and transplant, when large enough, to cold frames nine inches apart.

**ICEBERG.** This is not the same as Mountain Iceberg, but is planted in districts where a little warmer weather is experienced. A beautiful lettuce, with large, curly leaves of a bright, light green, with a very slight reddish tinge at the edges. Handsome heads, unusually solid because of the natural tendency of the large, strong leaves to turn in, which causes thorough blanching. Crisp, tender, and of fine flavor. Pkt., 5c; ½ oz., 10c; 1 oz., 20c; ¼ lb., 50c; 1 lb., \$1.50.



Iceberg Head Lettuce.

**HANSON.** A very fine large-heading variety; leaves curled on the edges; light yellowish green. Heads crisp and brittle, with very fine flavor; very best home garden variety. Pkt., 5c; large size pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.

**BIG BOSTON (Gold Seal Quality).** A very desirable large variety for forcing in cold frames and for outdoor planting. Plants are large, hardy, vigorous. Leaves broad, smooth, thin, of a light green color with a tint of red on outer edge. It forms good-sized heads and does particularly well during the cool fall and spring months. Heads firm and of superior quality. When grown in cold frames, the heads are not as tight as when grown outside. One of the best market varieties we know. Postpaid, pkt., 5c; large size pkt., 10c; 1 oz., 15c; ¼ lb., 35c; 1 lb., \$1.25.

### Curled or Leaf Varieties of Lettuce

Prices Prepaid

**GRAND RAPIDS (Gold Seal Quality).** Especially adapted for greenhouse culture in the Winter; also the best leaf lettuce to sow outside for the summer market, and recommended for family use.

Grand Rapids is what is known as a curly or leaf lettuce. It does not form a head but produces beautiful long curly and wrinkled leaves. It has been the favorite of the market gardeners in this vicinity for a number of years. It is extremely early, very hardy, tender, crisp, and of rich green color which makes it a favorite wherever grown.

Grand Rapids Lettuce is an improved strain of the Simpson Lettuce and was never known to fail to produce a good crop. Pkt., 5c; large pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.



Big Boston Head Lettuce.

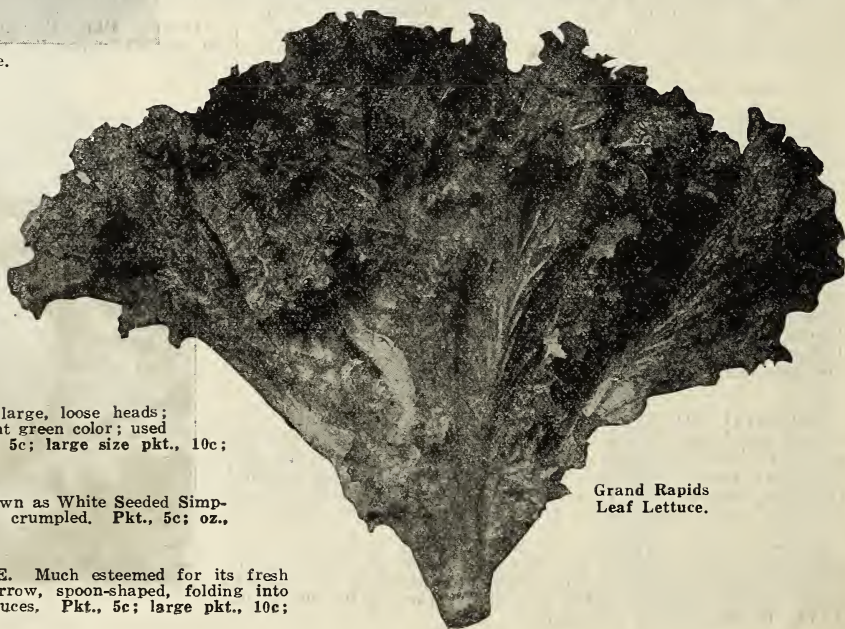
**DENVER MARKET.** While this lettuce is classed as a leaf variety, under favorable weather conditions it heads up fairly well. The leaves are long, well curled and crinkled. It is an excellent home garden variety and a quick grower. Adapted to both early and late planting. Pkt., 5c; 1 oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.

**PRIZE HEAD.** A large, loose-headed variety; leaves are large and very curly, bright green color; tinted on the edges with reddish brown and very crisp and of fine flavor. Not considered very profitable for the market, but one of the most desired for home gardens. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.

**BLACK SEEDED SIMPSON.** Forms large, loose heads; leaves thin and exceedingly tender, of light green color; used for forcing and outdoor planting. Pkt., 5c; large size pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.

**EARLY CURLED SIMPSON.** Also known as White Seeded Simpson; a loose headed variety, leaves much crumpled. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

**COS LETTUCE or SALAD ROMAINE.** Much esteemed for its fresh crispness. Leaves are long, smooth, narrow, spoon-shaped, folding into loose heads. Culture same as other lettuces. Pkt., 5c; large pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.



Grand Rapids Leaf Lettuce.



OUR SEEDS ARE  
COLORADO GROWN  
AND TESTED

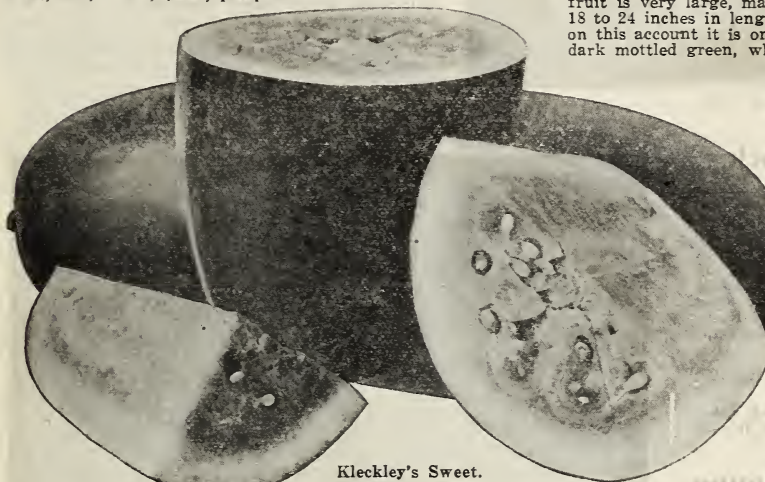
# Watermelons

PRICES ON  
MELON SEED ARE  
POSTPAID

**CULTURE.** The soil for watermelons must be light, rich, and sandy, for if grown on a heavy soil the quality will be poor, and they will not be so early. To make certain of raising good watermelons, it is important to prepare hills about 8 feet apart, by thoroughly working into the soil an abundance of well rotted manure. When the ground is warm and there is no more danger of frost, drop 8 to 10 seeds in hills 8 feet apart each way, covering about  $\frac{3}{4}$  inch deep. As soon as plants commence to run, thin out to three best plants in a hill and cultivate until vines cover the whole ground. For extra early melons use our Hotkaps. See page 92.

**KLECKLEY SWEET or ROCKY FORD.** The finest of medium early watermelons, and very popular wherever it has been thoroughly tested. It is of superb luscious flavor. While the skin is perhaps too thin to admit of the melon being shipped very great distances to market, it is most desirable to plant for home use or markets. The melons themselves are very large and oblong in form, with dark green skin, thin rind, which is very brittle. Flesh is bright scarlet with solid heart, deliciously crisp, sugary, and splendid in every way. The melons average from 18 to 20 inches in length by 10 to 12 inches in diameter; of handsome appearance. Ripen early, and are most desirable for the home garden.

Our seed is Colorado grown, and selected from first class, well matured melons. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c; 5 lbs., \$3.25, postpaid.



Kleckley's Sweet.

**HALBERT'S HONEY.** Excels Kleckley's Sweet, which it resembles slightly. The vines are of strong, vigorous growth and many large melons are frequently seen clustered closely together. The melons average 18 to 20 inches long and are full or a little blunt at the ends. The meat is a deep red color and free from stringiness; seeds white. The combination of a dark green rind, bright red meat without strings, and the delightful delicious flavor make it a favorite. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c; 5 lbs., \$3.25.

**BLACK SEEDED CHILIAN.** An unusual melon of exceptional merit; very solid, extra crisp, and very sugary. A very fine shipping and eating melon, contains but few seeds, flesh firm, and deep red. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; 1 lb., \$1.40, postpaid.

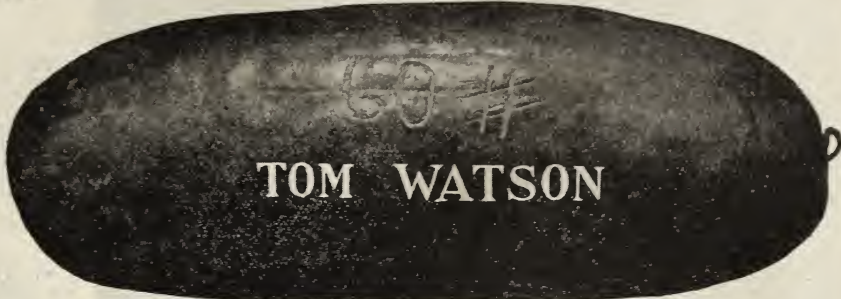
**ICE CREAM or PEERLESS.** One of the best early sorts for the home garden and for the market gardeners who deliver direct to consumers. The vines are moderately vigorous, hardy, and productive. The fruits are very tender, medium sized, oval to medium long, bright green, finely veined with a darker shade. The rind is thin. The flesh is bright scarlet, solid, crisp, and very sweet. Seed white. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c; 5 lbs., \$3.25, postpaid.

**COLE'S EARLY WATERMELON.** One of our best early varieties. It is to be classed as a round melon but is slightly oval and of fairly good size for an early sort. The rind is medium thick; the flesh bright scarlet and of excellent flavor. It is termed one of the sweetest melons in cultivation. A dandy melon to grow where seasons are short and the later kinds do not mature. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c; 5 lbs., \$3.25, postpaid.

**JUMBO SUGAR.** See inside front cover.

## Christmas or Winter Queen Watermelon

This is a surprise to anyone who grows this melon. It produces good sized melons, almost round and light green to ivory in color. Flesh is bright pink; is exceptionally sweet, in fact most everybody who has eaten this melon claims it is sweeter than any melon grown. Its flesh is very solid, crisp, and juicy. It ripens the first of September and can be kept until Christmas without losing any of its excellent qualities. It is best adapted to sandy soils. Anyone enjoying watermelons should plant some of these melons. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; 1 lb., \$1.50.



**TOM WATSON.** A standard in watermelons, and of sterling merit. The fruit is very large, many melons weighing 50 to 60 pounds and measuring 18 to 24 inches in length. Its rind is very thin, but exceedingly tough and on this account it is one of the very best shipping varieties. The skin is a dark mottled green, while the flesh is a brilliant scarlet, and the heart is very large with a small seed area. The flavor is most delicious and refreshing. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c.

**EXCEL.** The largest shipping melon yet produced, good flavor, rind dark green and tough; flesh solid, crisp, and sweet, similar in shape to Kleckley Sweet but thicker. Melons cut big red hearts, showing few seeds. It is a very prolific melon. The seeds are both black and white. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; 1 lb., 90c; 5 lbs., \$4.00; 10 lbs., \$7.50.

**GEORGIA RATTLESNAKE.** One of the oldest and most popular sorts, and frequently known as Gypsy. A large oblong variety with decided stripes of light and deep green. Rind is tough, but the flesh is of good quality and bright red; a good shipping and market melon. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c.

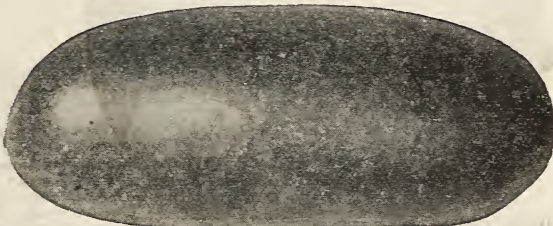
**ROCKY FORD.** Same as Kleckley's Sweet.

**HARRIS' EARLIEST.** An extra early melon of excellent quality. The fruits are exceptionally large for so early a variety, slightly oval with irregular mottled broad stripes of light and dark green. The flesh is bright red, sweet, and tender. Seed black. The vines are vigorous and productive. One of the best varieties for northern latitudes. We tried it for several seasons and are convinced that it is the very best first early melon. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c.

**IRISH GRAY.** A valuable early melon, for although a grand shipper it is equally fine for the home garden. The color is a distinct mottled gray, flesh red, sweet and crisp and free from stringiness. Our seeds are especially adapted to the Western country. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c; 1 lb., \$1.00; 10 lbs., \$8.50.

**KLONDIKE WATERMELON.** Is different from any other melon; grows medium size; remarkable flavor and sweetness; rind thin but tough; the seeds very small; flesh firm. We especially recommend it to people who grow melons for local markets. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c; 5 lbs., \$3.25, postpaid.

**HUNGARIAN HONEY.** A new melon imported by us. It is very early and well adapted to short seasons and northern latitudes. Melons are perfectly round, 10 to 14 inches in diameter, and flesh is brilliant red, sweet, and sugary. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c;  $\frac{1}{2}$  lb., 75c; 1 lb., \$1.25.



Excel Watermelon.



# Muskmelons and Cantaloupes



Improved Salmon-Tint Pollock 10-25.

## We Specialize in High Grade Cantaloupe Seed

The Morrison Seed Growers Association, of which Mr. Morrison is the head, have the reputation of producing the best quality cantaloupe seed in Colorado. All their seed is grown on their own farms, under Mr. Morrison's care, and better quality cannot be obtained anywhere. This seed will satisfy the most critical trade and especially those who grow cantaloupes on a large scale for the high class eastern trade.

We are agents for Mr. Morrison's Cantaloupe seed.

**CULTURE.** A rich, sandy soil and good seed are absolutely necessary for success in raising the best melons. The seed should not be planted until the ground has become dry and warm. Plant in hills 6 feet apart, dropping 8 seeds to the hill. Rich earth is far better than manure but if the latter is used see that it is well rotted and thoroughly mixed with the soil. After danger of frost and insects are past, thin to 3 to 4 of the strongest plants to each hill. Cultivate often but not too deep.

## Improved Salmon-Tint Pollock 10-25

This is the most highly developed of the Rocky Ford Cantaloupes in netting and rust resisting qualities. In the past 4 years, this melon has been planted more than any other variety—especially popular in Colorado, Arizona, and California. In size they run mostly standards. The heavy netting is smooth and regular and more prominent than in any other other melon. The stripe so prominent in the old strain of Rocky Ford is almost eliminated. The flesh is of a salmon tint and the quality and flavor is exceptionally fine.

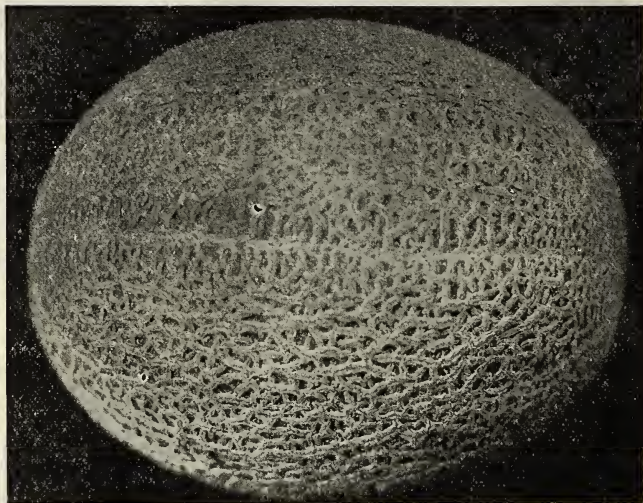
Prices (Morrison's strain): Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; 10 lbs., \$10.00, prepaid.

(Morrison's own growing, selected and hand picked), pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb. to 10 lbs., \$1.50 per lb.; 25 lbs., \$1.25 per lb, prepaid.

## New Extra Early H-B Cantaloupe

The most valuable introduction in the cantaloupe family; there never was a cantaloupe put on the market that gave such universal satisfaction; it is the melon that brought the growers in the Imperial Valley such profitable returns in 1925.

The fruits are rather large; oblong in shape and somewhat ribbed. Flesh is salmon color, fine grained and excellent flavor. It is a good keeper and shipper, but the fact that it is ten days to two weeks earlier than any other cantaloupe makes it so desirable. Our supply of this seed is limited. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50, postpaid.



New Extra Early H-B Cantaloupe.

## Greeley Wonder Improved Cantaloupe

It is also one of the earliest muskmelons under cultivation and it produces large melons which resemble the old time muskmelon in shape, having deep ribs, well netted skin and flesh is of richest golden color, one and one-half inches thick, of the finest texture and entirely devoid of coarseness.

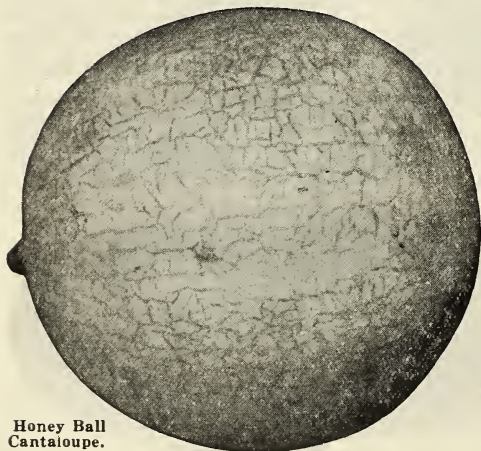
It also has a fine flavor, and unlike most muskmelons, instead of tasting what is known as flat, it is very much like the best Rocky Ford Melon.

Greeley Wonder will yield more than the Rocky Ford Cantaloupe. Don't fail to include some of this variety in your order. See inside of front cover.

## Honey Ball Cantaloupe

Besides its delightful flavor, it will keep for nearly three weeks without spoiling. You can either leave them on the vine until fully ripe, or you can pull them early and store them. In either case they are at their best when the blossom end becomes soft or gives easily to pressure; they are then fully ripe and make a most delightful dish. Their keeping quality adapts them splendidly for shipping; they ship as well as any other melon and do not bruise easily.

Honey Ball is a cross between the Honey Dew and a perfectly round, thickly netted melon known as Texas Cannonball. It is earlier than the Honey Dew and about a week later than Rocky Ford, but slightly larger. The vines continue to bear after other cantaloupes are gone. There is probably no melon that will stand hot weather better, nor one that is as little affected by long continued dry weather. Pkt., 10c; oz., 20c; ¼ lb., 70c; 1 lb., \$1.90.



Honey Ball  
Cantaloupe.



## Pollock Orange Flesh No. 19

This is a new cantaloupe just recently developed and is showing outstanding merit as a market melon. It runs standard to jumbo size, oblong in shape, and quite uniform in size, shape, and color. Color of flesh is deep red-orange tint, and the seed cavity is the smallest of any cantaloupe grown. The rind is covered with a heavy solid net, showing excellent shipping quality. The flavor is superior, equaled by few and excelled by none.

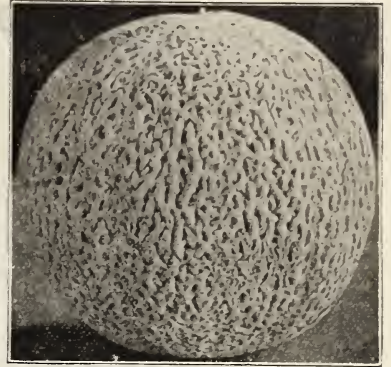
This new variety took first and second premiums at the Rocky Ford Fair over all competitors.

Our supply of seed is limited at this time.

Prices, pkt., 10c; oz., 25c; ¼ lb., 65c; 1 lb. to 10 lbs., \$2.00 per lb.; 25 lbs., \$1.75 per lb.; 100 lbs., \$1.25 per lb.

**BURRELL GEM, IMPROVED PINK MEAT, OSAGE GEM, PINK QUEEN.** This melon is larger than the other Rocky Ford. Shape is oblong, tapering to the ends. It produces a large per cent of jumbo melons which sell at a premium. The flesh is a golden pink, very thick and fine grained. It has a rich spicy flavor, seed cavity is small and it is an excellent shipper. It has a firm rind which is slightly ribbed and almost entirely covered with a solid grey net. Price, pkt., 5c; oz., 10c; ¼ lb., 40c; 1 lb. to 10 lbs., \$1.00 per lb.

**IMPROVED BURRELL GEM or JUMBO PINK MEAT.** Morrison's own growing. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb. to 10 lbs., \$1.50 per lb.



Gold Lined Rocky Ford.

**GOLD LINED ROCKY FORD, EDEN GEM, ROCK KING, NETTED GEM.** This is the old favorite Rocky Ford and is still preferred in some sections on account of its rust resisting and excellent shipping qualities and vigorous growth. It is still the best green fleshed melon, the seed cavity is small and is lined with a beautiful golden color flesh, deep and of the very best flavor, and it may be eaten close to the rind. The melon is very uniform in size, running nearly all standard and it is covered with a lacelike solid net.

Prices, pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.15. (Extra Quality Seed, Morrison's own growing from sorted and hand cut melons): Pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb. to 10 lbs., \$1.25 per lb.; 25 lbs., \$1.00 per lb., prepaid.

**EXTRA EARLY HACKENSACK.** Produces melons two weeks earlier than the well-known Hackensack; heavily netted, and has light green flesh of most delicious flavor. Its shape and solidity admit of its being packed very closely in crates for shipment, and it will keep in good condition for several days after picking. Large, fine form; grown also for the home garden very extensively. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00, postpaid.

**OLD-FASHIONED MUSKMELON MIXTURE.** We have especially prepared a mixture of many varieties of muskmelons that contains seeds of every kind we could think of. From a patch of muskmelons produced from this mixture one will have muskmelons to eat throughout the entire season. The mixture includes all the old-fashioned sorts of early and later kinds, green-meated and golden-meated. Melons with smooth skin and others with deep ribs. And after we had mixed all the old-fashioned varieties together we threw in a few of the newer sorts which includes the Honey Dew, Greeley Wonder, etc. It will be interesting and pleasing to have a patch of melons like this. Pkt., 10c; oz., 20c; ¼ lb., 40c, postpaid.

Burrell Gem.

**EMERALD GEM.** A salmon-fleshed variety of fine flavor and fine quality. Fruit medium sized, globular, slightly flattened at ends. Skin slightly netted. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00, postpaid.

**OSAGE.** A fine yellow fleshed melon; good size; a good melon for the home garden. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00, postpaid.

**BANANA.** Very odd cucumber-shaped muskmelon from 17 to 20 inches long. Flesh yellow; highly scented and of fine flavor. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25, postpaid.

**EDWARDS' PERFECTO.** A new type of the Rocky Ford, showing a trace of Burrell's Gem. The seed cavity is triangular and the pink flesh is extremely thick, sweet, and spicy. The melons are almost perfectly round, heavily netted, no ribs, and the shipping qualities are splendid. We think the Perfecto will supersede many of the older shipping varieties. Pkt., 5c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50, postpaid.

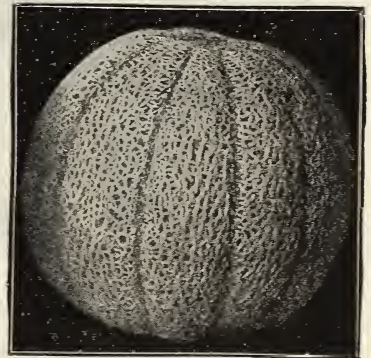
## PRESERVING MELONS

**GARDEN LEMON.** Excellent for preserving, has a delicious flavor. Pkt., 5c; oz., 15c.

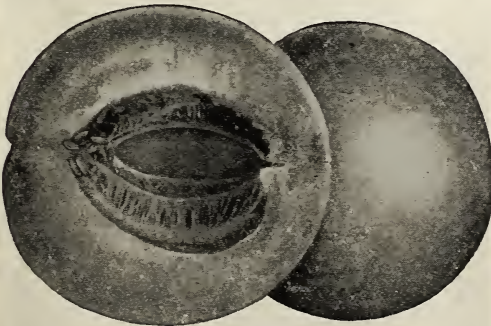
**VINE PEACH.** Very similar to Garden Lemon, used for preserving. Pkt., 5c; oz., 15c.

**CITRON, RED SEEDED.** Round and handsome, excellent for preserving. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 80c.

**CITRON, PRESERVING, GREEN SEEDED.** Small, ball-shaped, highly striped with light and dark green. Flesh green, with green seeds. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 80c.



Greeley Wonder.



Honey Dew Melons.

## Casaba and Honey Dew

Prices Postpaid

**CULTURE.** They should be planted and cultivated the same as muskmelons, and just before the first frost they should be gathered and stored in straw or in cellars, until November or later.

**GOLDEN BEAUTY CASABA.** One of the best of the autumn Casabas, resembling in appearance a golden yellow plum pudding with the top cut off. Of medium size, 6 to 8 inches in diameter, easily grown, very prolific. The fruits are easily handled, being firm and heavy. Golden Beauty ripens early in September and fruits can be kept until well into December. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.

**WINTER PINEAPPLE CASABA.** The best of the winter varieties, ripening after harvest and keeping in eating condition, if properly handled, until well into February. The fruit is sea green, and mottled with dark green at the base; rather large in size, being 10 to 12 inches in diameter; very heavy and firm as a rock. Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00.

**HONEY DEW (The Sweetest Vegetable Grown) Western Grown.** The fruit when ripe is truly the sweetest, juiciest, most delicious and palatable of any melon or cantaloupe obtainable. If in doubt just try this: Place some nice Honey Dews in a warm place until the rind is just slightly soft, then place in ice box or other cold place for 24 hours and when thirsty or hungry eat them. The Honey Dew very seldom ripens on the vine, but is harvested before frost and stored away from danger of freezing, and then, like the banana or green tomato it will gradually ripen. The vine is very vigorous and seldom affected by rust. Produces 6 to 18 melons of uniform size. As shown by the cut, its shape is almost round; has a very smooth golden yellow surface, but turns a dull cream when ripe. The flesh is green with a texture like a Bartlett Pear, but as sweet as honey. It is an excellent keeper. Give it a trial and you will have melons on your table or for market until Thanksgiving. Price, pkt., 5c; large pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.40.

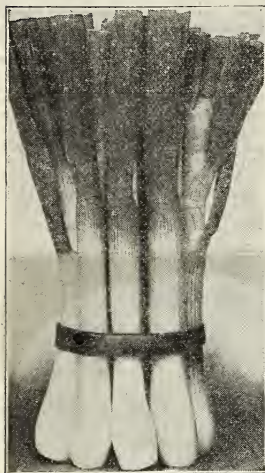


# Onions

Prices on Onions Postpaid

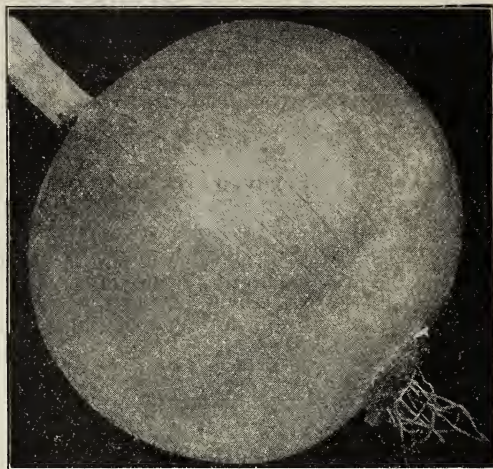
**CULTURE.** A crop of onions can be grown on any soil that will produce a crop of corn, but with the liberal use of manure far better results will be obtained. The ground should be plowed in the Fall and in the Spring should be well worked and pulverized, allowing no lumps or trash to mar the surface. The seed should be sown in the latter part of February or first of March, with a hand seed drill, which should be carefully adjusted so as to sow the desired quantity and about  $\frac{1}{4}$  inch deep. The quantity of seed needed will vary with the soil, the seed used, and the kind of seed. As soon as they show through the ground give them a very light hoeing, and repeat again in a few days, after which weeding must be done, and must be repeated whenever weeds appear until the tops die down, then they should be topped and the bulbs allowed to dry before sacking.

**WHITE LISBON (Gold Seal Quality).** For bunching. This is a very popular variety in Colorado. Also planted very extensively in Europe. While it will make a good sized white bulb, it is grown instead of shallots and onion sets for what is known as table or green onions, for when young the white or candle part of the onion is pure white, long, and slender. It has a good flavor, being mild and sweet. Home gardeners usually plant White Lisbon so as to have table onions all during Summer after those produced from sets are gone. Price, pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 65c; 1 lb., \$2.15; 5 lbs., \$10.00.



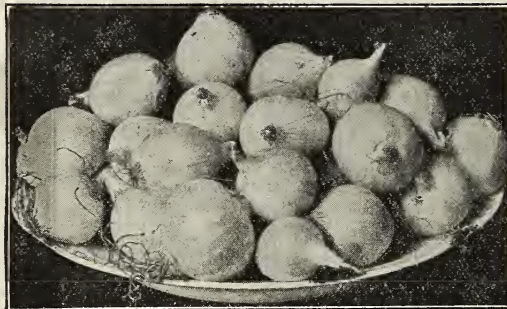
White Lisbon.

**MAMMOTH SILVER KING.** The largest silver skin onion grown, but not early. It matures along with Danvers Yellow Globe and produces a large, almost round, solid bulb that can be stored for winter use. But on account of its large, perfect shape and pure white color it is planted extensively as a boiling onion, in which case it is pulled green and bunched. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 90c; 1 lb., \$2.50.



Mammoth Silver King.

**EXTRA EARLY WHITE BARLETTA (Imported Strain).** The earliest onion in cultivation, maturing when about the size of a marble. On account of its small size and mild flavor it has become the most popular pickling onion grown. And just before it starts to form a bulb it makes an extremely pretty bunch onion. To produce pickling onions, seed must be sown very thick. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 80c; 1 lb., \$2.50; 5 lbs., \$11.00; 10 lbs., \$20.00.



Extra Early White Barletta.

**WHITE PORTUGAL.** An early white, flat variety of good keeping qualities. Used very extensively as a boiling onion; also grown for a table onion; a favorite with set growers. Postpaid, pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 65c; 1 lb., \$2.25; 5 lbs., \$11.00.

**PRIZETAKER (Gold Seal Quality).** We consider this the best onion for the market gardener who desires a large, early onion to supply the early demand and bring good prices which usually follow after the onions grown from sets have been marketed. They produce an enormous yield of large, solid bulbs, and being a Spanish variety, this onion is milder than any of the Danvers. Although it has wonderful merits, it should be marketed before the middle of November, as its keeping qualities are limited to only a few months. Even better results may be obtained from this wonderful onion when the seed is started in hotbeds and transplanted into the open. This onion is often sold in competition with the imported Spanish onion. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; 1 lb., \$2.25; 5 lbs., \$10.00, postpaid.

**WHITE VALANCE, SILVERSKIN.** A standard boiling onion of silvery white color forming fine, firm bulbs. It should be planted as a main cropper for boiling onions and the young, tender plants are much relished for table use. Pkt., 5c; large size pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 80c; 1 lb., \$2.50.

**GIANT WHITE ITALIAN TRIPOLI, or EL PASO.** A large, beautiful, pure white flat onion of mild, excellent flavor, producing a somewhat larger bulb from seed than our White Valance. To attain full size the seed should be started very early in a hotbed and the plants set out in rich soil. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 90c; 1 lb., \$2.75.



Prizetaker.



## ONIONS—Continued

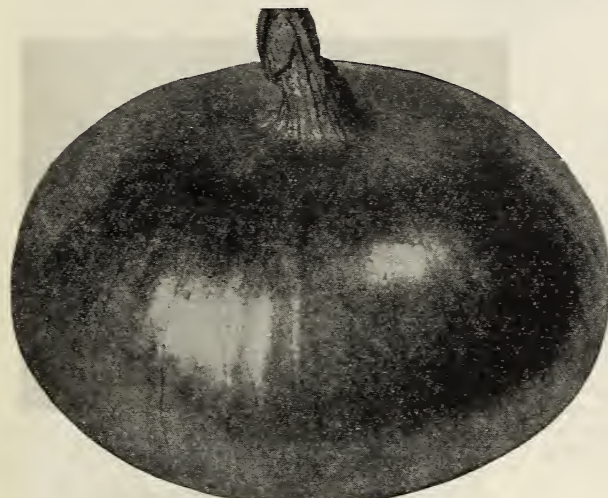
**YELLOW GLOBE DANVERS.** This is a fine, large globe-shaped onion with a rich light brown color. It ripens uniformly and early; almost every plant makes a solid bulb. It is one of the earliest onions to grow as it is of very sturdy habit; produces very few scullions. We do not hesitate to recommend it to all growers who want a fancy and large market onion. While it is not as good a keeper as the David Crockett, yet it can be held until March. We especially recommend this onion to growers who plant large quantities for the shipping trade. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 65c; 1 lb., \$1.90; 5 lbs., \$9.50, postpaid.

**MOUNTAIN DANVERS.** Account of enormous yield of bulbs it is generally considered by onion growers to be the best type of semi-globe shaped onion in existence. It has a distinct and attractive shape, handsome, bright and even in color, ripens early and all at once. Necks are very small. The bulbs are firm and solid, very good keepers. It is especially adapted to heavy soils and short seasons. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; 1 lb., \$2.25; 5 lbs., \$10.00, postpaid.

**OHIO YELLOW GLOBE.** One of the best yellow globe varieties. The skin is bright, glossy orange yellow; flesh white. The bulbs are remarkably uniform in size and shape and very firm. It possesses good keeping qualities. It ripens a few days later than the Yellow Globe Danvers. Price, pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 70c; 1 lb., \$2.00; 10 lbs., \$20.00, postpaid.



Yellow Globe Danvers.



Mountain Danvers.

**DAVID CROCKETT ONION.** It is the best keeping large size onion grown. We have seen these onions keep well into June the following year; this is due to the very solid flesh. Account of its shape, it out-yields all other standard varieties.

The bulbs run very uniform in size, are oval-shaped with a golden bronze skin, and white flesh. The flavor is very pleasant and much milder than most varieties. It is an extremely good keeper. In 1892, Mr. Crockett started this strain by selecting the most perfect oval-shaped, thick-skinned bulbs, improving it each year by careful selection, until this excellent variety was finally obtained. Pkt., 5c; large size pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 65c; 1 lb., \$2.00; 10 lbs., \$17.50, postpaid.

**SWEET SPANISH (Valencia Riverside Strain).** Sweet Spanish, as the name implies, is a sweet, mild onion. Until recently this onion was grown almost entirely in Spain and large quantities were imported into this country. There are several different strains, known by the names of the district in Spain where they are grown, as Denia, Gandeia, Barcelona, Valencia, etc. The strain which has proved the most satisfactory in this country is Valencia Riverside strain. The name Riverside was added to Valencia because the seed produced at Riverside is far better than any other, being milder, sweeter, more uniform in size, averaging  $2\frac{1}{2}$  to 3 inches in diameter, covered with good, dark bronze skin. An average yield of 400 sacks per acre and 550 sacks are not uncommon in Colorado. In the Arkansas valley, they can be drilled right in the fields, but in altitudes and climate equal to Denver it is best to start the plants in hotbeds or coldframes, or we can supply onion plants of this variety. See prices on onion plants. Pkt., 15c; oz., 45c;  $\frac{1}{4}$  lb., \$1.25;  $\frac{1}{2}$  lb., \$2.25; 1 lb., \$4.00.

**SOUTHPORT YELLOW GLOBE (Gold Seal Quality).** Southport, Conn., has for many years been famous for the extra fancy onions which are shipped from that point to the principal eastern markets. These onions have been brought up to the highest standard. Productiveness, uniformity in size and good keeping have been bred into them. They produce large, perfect globe-shaped bulbs, and the color of the skin is brownish yellow while the flesh is white, fine-grained, crisp, and mild. Price, pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; 1 lb., \$2.00; 10 lbs., \$19.00, postpaid.

**YELLOW FLAT DANVERS.** A good early onion, both for the home garden and for market, combining reliability in ripening with a large yield. It ripens more surely, as well as earlier, in moist locations than do the globe-shaped varieties. The thin-necked flattened bulbs are quite thick through; light yellow skin; fine-grained, mild, white flesh. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 65c; 1 lb., \$1.75; 5 lbs., \$8.00, postpaid.

**AUSTRALIAN BROWN.** An extra early, sure crop and long keeping onion; of medium size, wonderfully hard; very attractive, both as to form and appearance; color of skin is a clear amber brown, being widely contrasted from any other onion. Pkt., 5c; large size pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 65c; 1 lb., \$1.80; 10 lbs., \$18.00, postpaid.

Ohio Yellow Globe.







## ONIONS—Continued

**DENIA ONION.** A large Spanish onion. An enormous yielder. It is a very desirable variety with the consuming public, because of its very mild flavor. It is earlier than the Giant Gibraltar and skin a little darker. In altitudes of 5,000 feet or less it grows very successfully. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 80c; lb., \$2.25.

## Red Varieties

**SOUTHPORT RED GLOBE** (Gold Seal Quality). The best red onion for the markets, and the only one that should be planted for the main crop of red. In growth, habit, shape, size, and yield, it resembles the Southport Yellow Globe. The skin is of the deepest red color and the flesh solid and fine grained. As a keeper it is to be compared to the Yellow Globe, for it has been known to hold its color and weight longer than any variety of yellow or red onion. When growing red onions for the market plant Southport Red Globe. Pkt., 5c; large size pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 65c; 1 lb., \$2.00; 5 lbs., \$9.00, postpaid.

**LARGE RED WETHERSFIELD.** We have a very fine and select strain of this sort. Color deep purplish red, flesh white, moderately grained and very firm. Yields an enormous amount per acre and is one of the best keeping onions. Pkt., 5c; large size pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 65c; 1 lb., \$2.00; 5 lbs., \$9.00.



Sweet Spanish—Valencia Riverside Strain.

## Bermuda Varieties

**RED BERMUDA.** Very flat and of a light pink color. The flesh is white, slightly suffused with pink. Postpaid, pkt., 5c; 1 oz., 25c;  $\frac{1}{4}$  lb., 90c; 1 lb., \$3.00.

**YELLOW BERMUDA.** The bulbs are quite broad and flat in form; flesh crisp, solid and mild in flavor; skin is light yellow. The plants are extremely thin-necked, insuring even and early ripening. Postpaid, pkt., 5c; large size pkt., 10c; 1 oz., 25c;  $\frac{1}{4}$  lb., 90c; 1 lb., \$3.00.

**CRYSTAL WHITE WAX.** A pure white variety, very flat and extremely early. It is of the Bermuda type and the best strains come from the Canary Islands from where we get our supply. These are the beautiful White Onions we see in our markets in early Spring. Pkt., 10c; oz., 60c;  $\frac{1}{4}$  lb., \$1.90; 1 lb., \$6.00.



Yellow Bermuda Onion.

## ONION SETS

One quart of Onion Sets will weigh one pound. There are 32 pounds in a bushel of Onion Sets.

Bottom Sets, when planted, will produce good green or table onions much earlier than if grown from the seed. If allowed to remain in the ground, will yield fine large onions for market or for household use fully four weeks earlier than if planted from the seed.

	Qt.	4 Qts.	$\frac{1}{2}$ Bu.	1 Bu.
Yellow Danvers Sets, bottom .....	\$0.30	\$0.80	\$2.75	\$5.00
White Silver Skin Onion Sets, bottom .....	.30	.90	2.90	5.25
Red Wethersfield Onion Sets, bottom .....	.30	.80	2.75	5.00
Top or Button Sets .....	.30	.80	3.00	
White Multiplier Sets .....	.35	1.20	3.50	6.50
Yellow Multiplier Sets .....	.35	1.20	3.50	6.50

Special: One quart each red, yellow and white onion sets, not postpaid, 70c.

## ONION PLANTS

Also see page 41. These plants are field grown, which makes them very hardy; however, all plants deteriorate more or less, and in order to save time and have them arrive in the best possible condition, we fill all large orders for a crate or more direct from the growers. For less amounts, we supply from stock which we carry at Denver. These plants are put up 100 in a bunch or 6000 in a crate. We will be glad to supply any amount.

## Prices by Parcel Post, Prepaid

	100	1000	6000
Sweet Spanish .....	\$0.40	\$2.00	\$8.50
White Bermuda (Straw color) .....	.30	1.85	7.00
Crystal White Wax .....	.30	1.90	7.00

The above prices are delivered anywhere in the United States except Utah, Montana, Nevada and Wyoming, where an extra charge of 90c per crate will be made.



Onion Plants.





## Mushroom Spawn

We offer below the following standard Pure Culture varieties:  
One Brick, postpaid, 35c; 5 Bricks, postpaid, \$1.50. Not postpaid, 10 Bricks, \$2.25; 25 Bricks, \$5.00.  
With every order of 5 Bricks or more, we will send a 4-page leaflet on Mushroom Culture free.

**American Spore Culture Spawn**, produced from the original spores of the best varieties, gathered, germinated and propagated under the famous French process. Positively the most vigorous and prolific spawn on the market.

**Lambert's Pure Culture Spawn**, produced by the tissue culture method. The spawn which has held the market for so many years, and has given universal satisfaction.

## Mustard

Prices Postpaid

**GIANT SOUTHERN CURLED.** Very large variety, forming a great mass of beautiful leaves which are ruffled and finely curled on the edges. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c.

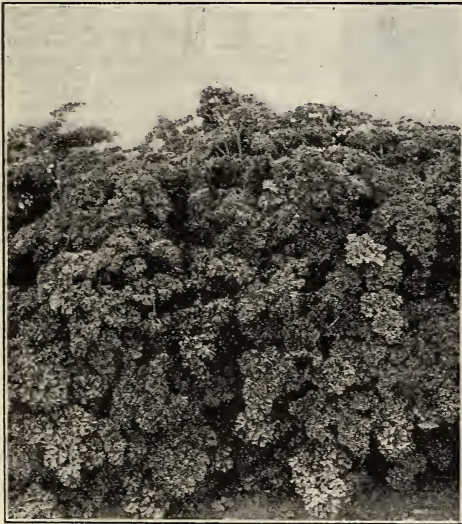
**FORDHOOK FANCY.** The dark green leaves of this variety are more curled on the edges than any other sort. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 75c.

**WHITE LONDON or COMMON.** The leaves are light green, mild and tender when young, the seeds of a light yellow color. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c.

**OSTRICH PLUME.** The most beautiful of all mustards. The leaves are long, ruffled and curled as gracefully as an ostrich plume. Stands summer heat splendidly, esteemed as salads and good as spinach greens. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 90c.



Giant Southern Curled Mustard.



Champion Moss Parsley.



Dwarf Green Okra.

**DOUBLE CURLED.** This is the most popular parsley used in this section; very fine curled and very ornamental. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 80c.

**PLAIN PARSLEY.** The leaves of this variety are not curled. Esteemed by many because it has a stronger flavor than the other sorts. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

**CHAMPION MOSS or TRIPLE CURLED.** This variety is entirely distinct, making remarkably handsome, compact plants, which have leaves so crumpled and curled as to give them the appearance of finely curled moss. The finest parsley for garnishing. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 80c.

**HAMBURG ROOTED or GERMAN PARSLEY.** Roots resemble small parsnips and are used as a vegetable, same as salsify. Foliage same as plain parsley. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00.

## Parsnips

Prices Postpaid

**CULTURE.** Work the soil very deep and pulverize the surface thoroughly. Sow the seed in early Spring, ¾ of an inch deep, in rows 12 to 18 inches apart. As soon as the young plants appear, cultivate and hand weed them, and when 3 inches high thin to 6 inches apart in the row. Cultivate sufficiently to keep the soil loose throughout the season. Freezing improves the quality of parsnips for table use, so it is customary to take up in the Fall when the ground begins to freeze what will be needed for winter use, leaving the remainder to winter over in the ground, and roots so that access may be had to them at any time. One ounce of seed for

or better still, pitting them as is often done with other roots so that access may be had to them at any time. One ounce of seed for 200 feet of row; 5 lbs. seed required for an acre.

The parsnip is not eaten by many people. This is no doubt due to the way it is cooked. Most all are familiar with the parsnip served boiled with butter or mashed, but until you have tried them fried, they are not appreciated. Boil the parsnip about fifteen minutes then peel and slice, and fry in butter, lard or compound until brown—a little syrup may be added. Many people prefer these to sweet potatoes.

**LONG SMOOTH.** Very nice parsnip, but grows too long for planting in this section. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 90c.

**GUERNSEY HALF-LONG, HOLLOW CROWN.** This is the best variety, and the only sort that should be planted in this territory. Not so long as the Long Smooth and easier taken from the ground. The flesh is fine grained and of excellent quality. Pkt., 5c; oz., 10c; ¼ oz., 35c; 1 lb., 90c, postpaid.

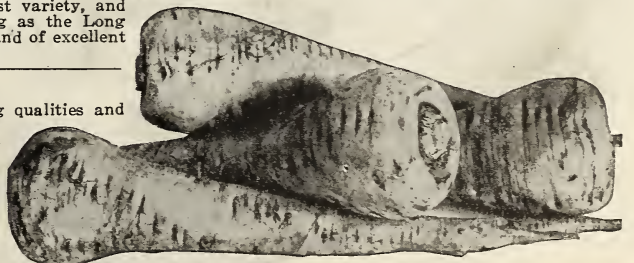
## ROOT CROP COLLECTION

This collection contains root vegetables. Because of their keeping qualities and food value they are being planted extensively each year.

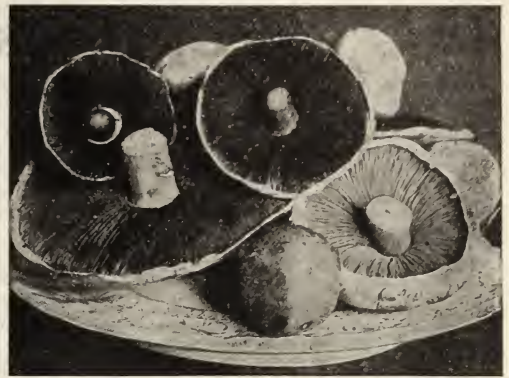
We supply a liberal package of each of the following for 65c, postpaid. Regular price, \$1.00.

Beets—Extra Early Egyptian  
Beets—Early Blood Red  
Carrot—Danvers Half-Long  
Celeriac—Turnip Rooted Celery  
Leek—Broad London Flag  
Onion—Yellow Globe Danvers  
Parsnip—Guernsey

Radish—Scarlet Turnip White Tip  
Radish—Cincinnati Market  
Salsify—Mam, Sandwich Island  
Turnip—White Egg  
Turnip—Purple Top  
Rutabaga—Bangholm  
25 Potato Eyes—Early Ohio



Guernsey Hollow Crown Parsnips.



Mushrooms.

## Okra or Gumbo

Prices Postpaid

**CULTURE.** When the ground has become warm, sow thickly in drills 3 feet apart, and when large enough thin out to a foot apart in the rows. One ounce will sow 30 feet of drill.

**DWARF GREEN OKRA.** The plants are dwarf, close pointed, producing thick fleshy pods of exceptional tenderness and flavor. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c.

**TALL or PERKINS MAMMOTH.** The long pods, measuring 4 and 5 inches, are produced in great quantities. Handsome appearance, color green, of fine quality. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c.

## Parsley

Prices Postpaid

Parsley is used mostly for seasoning and garnishing. Its flavor is exceptionally pleasant and aromatic. As the seed germinates very slowly it should be sown early in the Spring in rows 1 inch deep and 1 foot apart.

**DOUBLE CURLED.** This is the most popular parsley used in this section; very fine curled and very ornamental. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 80c.

**PLAIN PARSLEY.** The leaves of this variety are not curled. Esteemed by many because it has a stronger flavor than the other sorts. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

**CHAMPION MOSS or TRIPLE CURLED.** This variety is entirely distinct, making remarkably handsome, compact plants, which have leaves so crumpled and curled as to give them the appearance of finely curled moss. The finest parsley for garnishing. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 80c.

**HAMBURG ROOTED or GERMAN PARSLEY.** Roots resemble small parsnips and are used as a vegetable, same as salsify. Foliage same as plain parsley. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00.



Prices  
Are  
Postpaid

# Peppers

Tested  
Gold Seal  
Quality

**CULTURE.** Peppers should be started in a hotbed or cold frame and transplanted about the end of May into a sunny corner of the garden, in rows about 2 feet apart, with the plants about the same distance between them in the rows. In warmer sections they can also be sown in open ground in a prepared seedbed when all danger from frost has passed, the weather has become settled and the soil warm. When the little plants are about 3 inches in height, transplant as above into the rows where they are to remain. Some very rich fertilizer stirred into the soil when the plants are about 6 inches high, will be found very beneficial to the crop. The peppers intended for mangoes should not be grown near the hot varieties, or they will partake of their fiery nature.

**THE MIKADO** (24 to 1). This is, without doubt, the finest large pepper yet introduced. It is a cross between Chinese Giant and Ruby King, fully as early as Ruby King and similar in shape, but broader at blossom end, almost the size of Chinese Giant, and far more prolific, some plants producing as many as 24 marketable peppers. Exceptionally mild, can be eaten raw without fear of burning. Color of fruit green at first, turning to a beautiful shade of scarlet. Flesh thick, which enables it to hold up a long time and makes it an excellent shipper. Pkt., 10c; ¼ oz., 20c; ½ oz., 30c; 1 oz., 50c; ¼ lb., \$1.50; 1 lb., \$4.50.

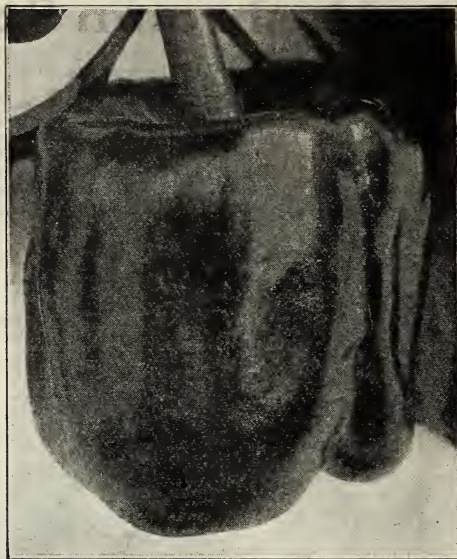
**CHINESE GIANT** (Gold Seal Quality). This is the favorite when size is wanted, being the largest pepper in cultivation, being double the size of the Ruby King. The plants are vigorous in growth, but of stalky habit, are seldom more than 2 feet in height, producing 4 to 6 peppers of enormous size, thick meated and very mild. On account of its enormous size it meets with ready sale on any market. Although not as early as the Ruby King, it matures in ample time for the heavy demand of the shippers. Large pkt., 10c; ½ oz., 35c; 1 oz., 50c; ¼ lb., \$1.75; 1 lb., \$5.50.

**RUBY GIANT** (Gold Seal Quality). In appearance the fruit somewhat resembles the Ruby King except being larger and a little broader at the base. The Ruby Giant Pepper was introduced to the growers in this section by us 7 years ago, and now it is the most popular pepper in Colorado. Its dark green color and heavy yielding qualities has gained it a place in every garden where peppers are grown for the market. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.00.

**BULL NOSE** or **BELL**. Most popular sort, being early and very productive; grows about 2 feet high, fruit remains green a long time. Large size pkt., 10c; ½ oz., 25c; 1 oz., 40c; ¼ lb., \$1.35; 1 lb., \$4.50.

**ANAHEIM CHILI.** A variety produced in California and is largely used both dry and for canning. It is about 7 inches long and has very thick flesh. While this variety belongs to the Chili class, it is not as pungent as some of the smaller sorts. Pkt., 10c; oz., 40c; ¼ lb., \$1.40; 1 lb., \$4.25.

**LONG RED CAYENNE.** A well known variety, having a slender, twisted and pointed pod about 4 inches long, bright red in color; extremely strong. Pkt., 10c; ¼ oz., 20c; 1 oz., 50c; ¼ lb., \$1.50.



Mikado Pepper.



Chinese Giant Pepper.

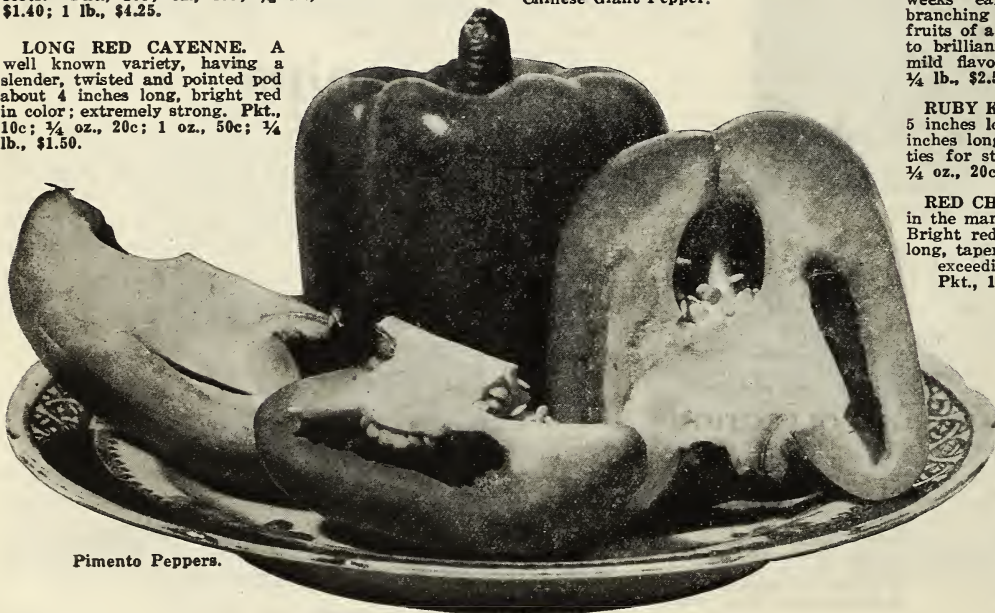
**PIMENTO** or **SALAD PEPPER.** This variety was introduced from Spain. While not as large as the Chinese Giant it is heavier, on account of its extremely thick flesh, which has a mild, sweet, yet deliciously pungent flavor when used either green or ripe. It is being used largely by canners, as its thick flesh allows the skin to be removed, which can be done easily by dipping them in scalding water. When used in a salad its mild flavor and deep scarlet (when ripe) or green color, make it very attractive to the eye as well as to the palate. The plant is very prolific, producing a large number of peppers, each weighing from 5 to 10 ounces. We recommend this new pepper for both the home garden and market supply. Pkt., 10c; oz., 40c; ¼ lb., \$1.35; 1 lb., \$4.50.

**JERSEY GIANT.** This is the earliest of all large peppers, almost as large as Chinese Giant and 3 weeks earlier. Plant of dwarf branching habit, bearing 12 to 15 fruits of a deep green color, turning to brilliant red, flesh thick and of mild flavor. Pkt., 15c; oz., 75c; ¼ lb., \$2.50; 1 lb., \$8.00.

**RUBY KING.** Grows about 3½ to 5 inches long and is often 2½ to 3 inches long. One of the best varieties for stuffed pickles. Pkt., 10c; ¼ oz., 20c; 1 oz., 50c.

**RED CHILI.** A late variety, used in the manufacture of pepper sauce. Bright red pods are about 2 inches long, tapering to a sharp point, and exceedingly pungent, when ripe. Pkt., 10c; ¼ oz., 20c; 1 oz., 50c.

**TABASCO PEPPER.** This is the Red Hot Mamma of the pepper family and it is grown for the market as well as for making sauce. It is pungent and strong, also very prolific. It is easily gathered as the fruit does not adhere to the stems and grows almost erect on the branches. This variety is used in manufacturing the well known Tabasco Sauce. It is splendid for family use. Prices, pkt., 10c; oz., 50c; ¼ lb., \$1.75; 1 lb., \$5.50.



Pimento Peppers.



# Garden Peas

Prices on Peas Postpaid up to and Including 10 lbs.  
Western Grown Pea Seed

**CULTURE.** There are two distinct kinds of pea seed. They are the smooth and the wrinkled. Smooth peas are the earliest, stand the cold weather much better than the wrinkled varieties, and they may be planted much earlier as the seed does not decay in the ground as soon as the ground can be worked, but the wrinkled varieties should not be planted till it is warmer or they will rot. Sow in single or double rows from 1½ to 3 feet apart, dropping a pea every inch and covering from 2 to 3 inches deep. For a succession sow every ten days up to July 10th. Growing peas in the mountains is very profitable, as they are better and ready for market at a time when no other section can produce them.

**DWARF TELEPHONE or MOUNTAIN TELEPHONE (Gold Seal Quality).** For the main crop this is the standard large pod pea and we especially recommend it to mountain planters who grow for shipping, because it produces well filled large pods, averaging from 4½ to 5 inches in length. It is a very hardy and strong grower. Vines are dark green. Does not require sticks or trellises, as vines usually do not exceed 2½ feet in height. Is a money maker because it is a very heavy producer. It is not an early pea, being about 12 days later than the Gradus and 10 days later than the Laxtonian. Our seed is of the highest quality—don't make the mistake of planting seed that has not been carefully selected to produce large pods, for small pods will not sell to advantage in midsummer. Pkt., 5c; large pkt., 10c; 1 lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40; 10 lbs., \$2.50. If by express or freight at purchaser's expense, 5c per lb. less. 100 lbs., \$18.00, purchaser paying express.

## Alderman Gold Seal Quality

This variety, with the Dwarf Telephone is the favorite pea for Mountain growing as it produces very large, dark, well filled pods even larger than the Dwarf Telephone. On account of the vines growing 3½ to 4 feet tall, it is best adapted to poorer soils. As a shipping variety it is considered the most desirable. The past season, mountain pea growers have found Alderman more in demand by buyers than any other variety. Pkt., 5c; large pkt., 10c; 1 lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40; 10 lbs., \$2.50. If by express or freight at purchaser's expense, 5c per pound less. 100 lbs., \$17.50, purchaser paying freight.

press or freight purchaser  
chaser paying freight.

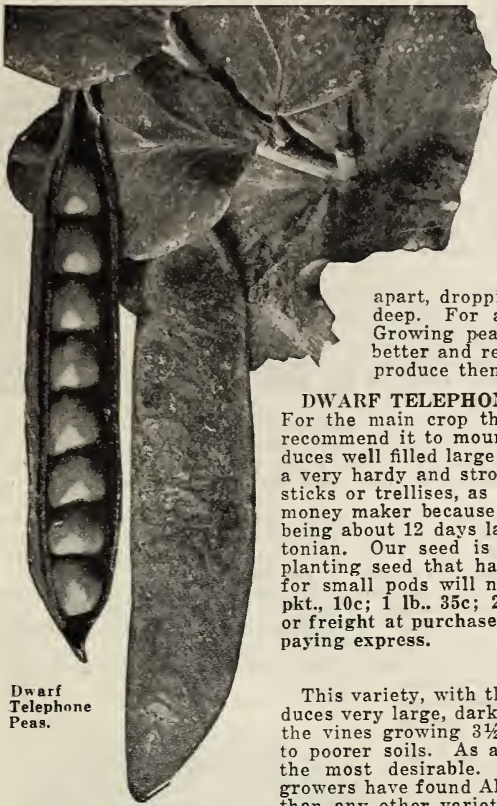
**LAXTONIAN PEAS (Gold Seal Quality).** This is one of the finest and most profitable peas that can be grown. The vines are dwarf, do not require support of poles or trellises. It is ready for gathering as early as the Gradus. Has a true marrow-fat flavor. The pods are very large, if anything larger than the Gradus, and better filled. Vines grow about 19 inches high. The haulm is covered from top to bottom with even sized pods. It is wonderfully hardy and a vigorous grower. Pods and vines are of a rich healthy green. One of the heaviest yielding early, large podded, dwarf vine, delicious peas. Because of the dwarf habit of the vines, we especially recommend Laxtonian Peas for mountain planting, and especially where the soil is very rich and the tall varieties are inclined to grow too tall.

Postpaid, pkt., 5c; large pkt., 10c; lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.70. If by express or freight at purchaser's expense, 5c per pound less. Special price, 100 lbs., \$18.50, purchaser paying express.

**LITTLE MARVEL.** Only a few years old and rapidly becoming a favorite for the home garden as well as the market gardener. One of the earliest wrinkled peas, and produces a heavy yield of pods that measure from 2 to 3 inches in length, having from 7 to 8 peas to the pod. Its vines are only 15 to 18 inches high, making a desirable pea for any garden, be it large or small. We want everyone to give this wonderful new pea a trial. We know it will please. Postpaid, pkt., 5c; large size pkt., 10c; 1 lb., 35c; 2 lbs., 65c; 5 lbs., \$1.20; 10 lbs., \$2.50. If by freight or express at purchaser's expense, 5c per lb. less. 100 lbs., \$16.50, purchaser paying express.

**EVERBEARING PEAS.** Grows about 36 inches high; pods good length, about 3½ inches long. It is of very fine quality; is a constant bearer and produces an abundance of pods. Postpaid, pkt., 5c; large pkt., 10c; 1 lb., 35c; 2 lbs., 65c; 5 lbs., \$1.50; 10 lbs., \$2.50. If by express at purchaser's expense, 5c per lb. less.

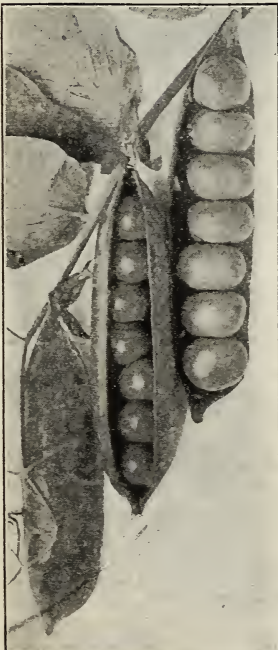
Always inoculate your Peas, Beans, and other legumes with Nitragin. See page 87.



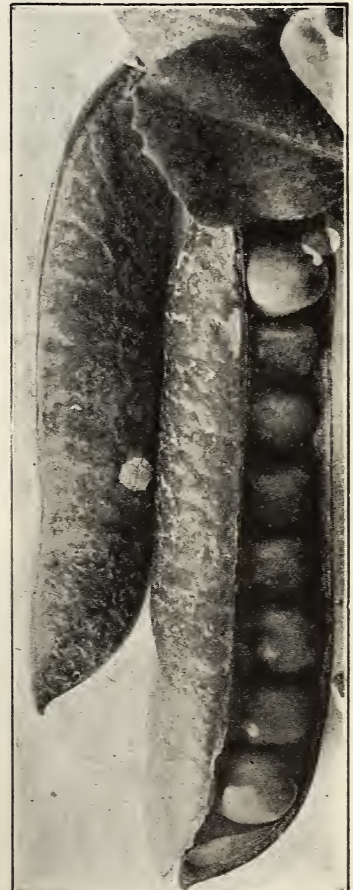
Dwarf  
Telephone  
Peas.



Little Marvel  
Peas.



Alaska Peas.



Alderman Peas.



Laxtonian  
Peas.

**GRADUS (Prosperity).** The earliest wrinkled variety. This grand, large podded, early, prolific variety has won the favor of market gardeners everywhere. The vines are very vigorous and robust, growing to a height of about 3 feet. It is not only an abundant producer, but bears continually throughout the season. It is exceedingly early for a wrinkled variety, being only a day or two later than the earliest, small, smooth sorts. The pods are very large and are invariably well filled with from 6 to 9 sweet, luscious, tender, wrinkled peas of large size and delicious flavor. The peas remain tender for some time after they are large enough to use. Postpaid, pkt., 5c; large size pkt., 10c; 1 lb., 35c; 2 lbs., 65c; 5 lbs., \$1.50; 10 lbs., \$2.50. If by freight or express at purchaser's expense, 5c per lb. less. 100 lbs., \$18.50, purchaser paying express.

**MAMMOTH EDIBLE POD or LUSCIOUS SALAD PEA.** Without an equal for sweetness and tenderness, it is a double purpose pea. The pods when half grown should be sliced and boiled like snap beans and when served with butter or sauce they make a very tempting and delicious dish, or it can be used as a shell pea and is equal to the sweetest wrinkled variety. They are grown the same as any other variety of peas. Pkt., 5c; large pkt., 10c; ½ lb., 20c; lb., 35c; 10 lbs., \$2.75, postpaid.

**FIRST AND BEST.** A smooth variety of early, good quality peas. Pods medium size. Matures about same time as the Alaska. Postpaid, pkt., 5c; large pkt., 10c; 1 lb., 35c; 2 lbs., 55c; 5 lbs., \$1.40; 10 lbs., \$2.50. If by express or freight at purchaser's expense, 5c per lb. less.

**AMERICAN WONDER.** This pea, although it produces small pods, seems to win favor with all planters, as it is a very productive little plant, growing 10 to 18 inches high, and the peas are exceptionally sweet. It is easier grown than most of the large podded varieties. Postpaid, pkt., 5c; large size pkt., 10c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.35; 10 lbs., \$2.50. If by freight or express at purchaser's expense, 5c per lb. less. 100 lbs., \$18.00, purchaser paying express.

For Early Vine Crops  
Use Our Hotcaps  
See Page 92



Connecticut Field Pumpkin.

**CULTURAL DIRECTIONS.** Sometimes grown in cornfields, but if grown as a separate crop, seed should be planted in hills 8 to 10 feet apart each way after weather and soil get warm. Hoe often till vines begin to run. Cut pumpkins from vine after the leaves die, leaving 3 to 4 inches of stem attached, and store in a dry place. Handle carefully and avoid bruising. Use one ounce of seed to 20 hills of most varieties; 3 to 4 pounds per acre.

## Pumpkins

Prices Postpaid

**KENTUCKY FIELD (or Large Cheese).** A fine pumpkin nearly two feet in diameter. Flesh yellow, extra thick, sweet, and of the finest quality. A heavy yielder and excellent keeper. Prices, pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 70c; 10 lbs., \$6.00.

**SMALL SUGAR.** A small round variety; flesh thick, rich yellow, and sweet, skin a deep orange. This is the best variety for pies. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 70c.

**CONNECTICUT FIELD.** A fine large, orange colored variety, used for field culture and stock feeding. Skin smooth and ribbed; flesh brittle. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; 10 lbs., \$6.00.

**MAMMOTH TOURS.** A very large French variety, grown for stock feeding. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 80c.

**JAPANESE PIE.** Large size, weighing from 30 to 70 pounds; color of outside rind bluish-green blotched with yellow. Flesh salmon colored, very thick and sweet; for eating and stock feeding. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

**KING OF MAMMOTH.** The best large pumpkin in use, forming immense muskmelon shaped pumpkin, often 2½ to 3 feet in diameter; salmon colored; flesh bright yellow. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.



Small Sugar Pumpkin.

Large Amounts  
Get Special Prices



# Seed Potatoes

Growers generally have paid little attention to the careful selection of seed potatoes. In many instances, culls or unmarketable potatoes have been used, as well as well matured potatoes. Continued planting of such stock results in poor yields of inferior grade. Many planters ask what is the difference between regular eating potatoes and seed potatoes? One is, in our selection of seed potatoes we intend to eliminate the fully matured tubers. Contrary to general opinion, immature seed gives large yields as well as increased vigor in vines. Numerous tests have proven that immature seed, if properly sorted, will out-yield matured seed.

**CULTURE.** Potatoes can be grown in any soil provided it is fairly rich, but potatoes usually do best on loose, sandy loam and are of better quality than if planted on clay soil. Cut the potatoes in 4 to 6 pieces, so there is at least one eye on each piece. About 3 pieces should be planted in each hill, three to four inches deep, according to the time of planting, in rows 3 feet apart and 16 to 18 inches apart in the rows. Keep the ground loose about the hills. Do not water unless soil becomes quite dry.

When the early varieties are planted, they can be marketed just at the time when the southern crop is over and before the late potatoes are ready, therefore at this time all markets are quite bare of potatoes and prices very high. Another advantage in growing early potatoes is that another crop may be grown after the potatoes are dug; for instance, turnips.

Our Seed Potatoes are especially adapted to our Western country.

## Get Special Delivered Prices

IF YOUR EXPRESS OR FREIGHT CHARGES ARE TOO HIGH,  
LET US SEND POTATO EYES

**RED RIVER EARLY OHIO.** Our Red River Early Ohio seed potatoes are grown in the extreme north of Minnesota, where the potato growers have specialized on Early Ohios for years and have developed the best type of this variety. Seed from this district is one week earlier than home grown and our seed is free from scab and the disastrous blight, and is the favorite and most prolific potato in this section. Maturing early brings the fancy prices that are paid for the first potatoes.

This potato can be dug and marketed before it is fully matured. 5 lbs., 40c; 10 lbs., 75c; 25 lbs., \$1.25. For larger amounts, write for special prices. If by parcel post, add postage; by express or freight, purchaser pays transportation.

**IRISH COBBLER, or EUREKA.** One of the leading varieties in the North. It soon spread to the West. It is giving wonderful results; grows where other sorts failed to produce a crop of potatoes. It is a little earlier than the Early Ohio.

The tubers are round, somewhat flattened, with rather deep eyes and are medium to large in size. The skin is clean, smooth, finely netted and white in color. The flesh is white, of fine quality, and flavor.

This is a very vigorous grower and is more desirable than the Early Ohio in the dry sections as it is less liable to crack and knot. 5 lbs., 40c; 10 lbs., 75c; 25 lbs., \$1.40. For larger amounts, write for special prices. If by parcel post, add postage. By express or freight, purchaser pays transportation.

**EARLY SIX WEEKS.** Resemble the Early Ohios, being ready for market about the same time. 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50. For larger amounts, write for special prices. If by parcel post, add postage. By express or freight, purchaser pays transportation.



Early Ohio Potato.



Irish Cobbler.

**TRIUMPH (Bliss Strain).** The leading early potato of today, and is now supplying two-thirds of the markets with new potatoes for the early spring trade. There is a good reason why the Triumph should be popular. It is ten days earlier than the Early Ohio, and that is a big feature in favor of the farmer. It is not so liable to rot or scab. The tubers are nearly round with red, smooth skin, and have shallow eyes. It can be grown on almost any land, but does better on rich soils. It yields fairly heavy and the size is uniform. We highly recommend the Triumph for early planters. 5 lbs., 40c; 10 lbs., 75c; 25 lbs., \$1.25. For larger amounts, write for special prices. If by parcel post, add postage. By express or freight, purchaser pays transportation.

**RED McCLURE or PEACHBLOW.** Now well known the country over, and very largely planted for a profitable main crop. McClures are now quoted in all the leading markets of the country along with Burbanks and other standard sorts. In many sections this variety is the rival of the Burbank and is undoubtedly a fine potato. It is one of the most beautiful potatoes grown, and will bring more money on most markets than any other variety. The quality is extra good. It is an abundant yielder and a very good keeper. One of the leading sorts among the mountain growers. 5 lbs., 40c; 10 lbs., 75c; 25 lbs., \$1.25. For larger amounts, write for special prices. If by parcel post, add postage. By express or freight, purchaser pays transportation.

**MAMMOTH PEARLS.** This is the potato that is grown so extensively in the northern part of Colorado. This potato did as much to make Greeley, Colorado, famous as all the other varieties combined. It is one of the best main crop potatoes in this territory. The skin is white, eyes shallow and the flesh is pure white. It is a medium late variety and of good keeping quality. 5 lbs., 40c; 25 lbs., \$1.40. For larger amounts, write for special prices. If by parcel post, add postage. By express or freight, purchaser pays transportation.



Triumph Potatoes.



## SEED POTATOES—Continued

**EARLY OHIO COLORADO DRY-LAND GROWN.** These potatoes are grown for us in the dry lands of Elbert county (known as the Divide). It is our desire to have as many of our customers as possible order our Red River Early Ohios, but those who do not care to pay the advanced price will not be disappointed in our Divide Early Ohios. 5 lbs., 40c; 10 lbs., 70c; 25 lbs., \$1.25. For larger amounts, write for special prices. If by parcel post, add postage. By express or freight, purchaser pays transportation.

**RUSSETT BURBANK.** One of the wonderful discoveries of Luther Burbank, and now ranks among the leading varieties of potatoes of the world. For many years this variety has been a great favorite in California, but now it is being grown extensively and with great success everywhere. The Burbank is becoming one of Colorado's best mountain varieties where at one time it was thought only Red McClures would mature and thrive. But the Burbank has proven in this country and on dry land where other varieties have failed, the Burbank has held out against the drought and heat and produced good yields and is now being planted throughout our state on the dry lands. The flesh of the Burbank is white, very mealy, and of fine flavor. The potatoes are long in shape and size, and the skin is russet. As a baking potato it cannot be surpassed. 5 lbs., 40c; 10 lbs., 75c; 25 lbs., \$1.25. For larger amounts, write for special prices. If by parcel post, add postage. By express or freight, purchaser pays transportation.

**RURAL NEW YORKER.** A valuable variety of large size, very smooth and a heavy cropper. In quality it is unexcelled. It is the best late long keeper, and is highly recommended. More potatoes of this sort are shipped annually than any other kind, and their large, handsome appearance makes them more profitable than any other sort. Planted very extensively in potato districts, 5 lbs., 40c; 10 lbs., 75c; 25 lbs., \$1.25. For larger amounts, write for special prices. If by parcel post, add postage. By express or freight, purchaser pays transportation.

## ARTICHOKES

## Jerusalem or Potato Artichokes

Artichokes make an enormous crop of nutritious feed for hogs and cattle. They will yield, ordinarily, twice as much as potatoes on the same land. Should be planted and cultivated the same as potatoes, although, where desired, hogs can be turned on them after 2 weeks after the blossoms fall, and allowed to feed on the roots throughout the Winter, except when the ground is frozen.

Artichokes are not entirely hardy and it is best not to dig them until ready to feed. They can be planted any time in April, the earlier the better. Plant in rows 4 feet apart, dropping the artichokes 12 to 15 inches apart in the row. It requires 200 lbs. to plant an acre. 1 lb., 15c; 10 lbs., 90c, postpaid. Write for prices on larger quantities.

## Potato Eyes By Mail

Postpaid

We send these potato eyes delivered to your door, all transportation charges paid, so that all you have to do is to plant them and harvest a crop. We select the seed potatoes, using only the smoothest and firmest stock that we know will carry the longest after being cut. Then we remove the eyes, leaving enough of the flesh to assure a good plant that will produce potatoes. We then pack them in lots of 25 eyes each, all labeled so as to avoid chance of mixing the different varieties. We guarantee these potato eyes to arrive in good planting condition. But we advise, before ordering the eyes shipped from Denver, that you prepare your soil and have things ready for planting on arrival of stock.

They can be sent without any danger of freezing, for they are securely wrapped and packed in pasteboard boxes.

We cannot furnish less than 25 eyes of a sort, and those wanting larger amounts should make their orders even multiples of 25.

Prices (any variety listed):

25 eyes	.....\$0.25
50 eyes	......45
100 eyes	......75
300 eyes	.....1.75
500 eyes	.....2.90

## SWEET POTATOES

**CULTURE.** The plants should be started in hotbeds in March, and after danger of frost, transplanted 2 feet apart in rows 3½ to 4 feet apart. They do best in sandy, light soil, and should be cultivated often, especially if supply of water is scarce.

**YELLOW NANSEMOND.** 1 lb., 25c; 10 lbs., \$2.00.

**YELLOW JERSEY.** 1 lb., 25c; 10 lbs., \$2.00.

If by parcel post, add postage.

On larger amounts of potatoes, get special prices.

## Corrosive Sublimate

## PREVENT SCAB ON YOUR POTATOES AND SMUT IN YOUR WHEAT

Four ounces to 30 gallons of water. Put in wood barrel or vat. Dissolve the Corrosive Sublimate in warm water, then add to the cold water.

First lot, treat 1½ hours.

Second lot, treat 1¾ hours.

Third lot, treat 2 hours.

Then throw out and make a new solution.

Remember, it is rank poison, so don't allow anything to eat the potatoes after being treated.

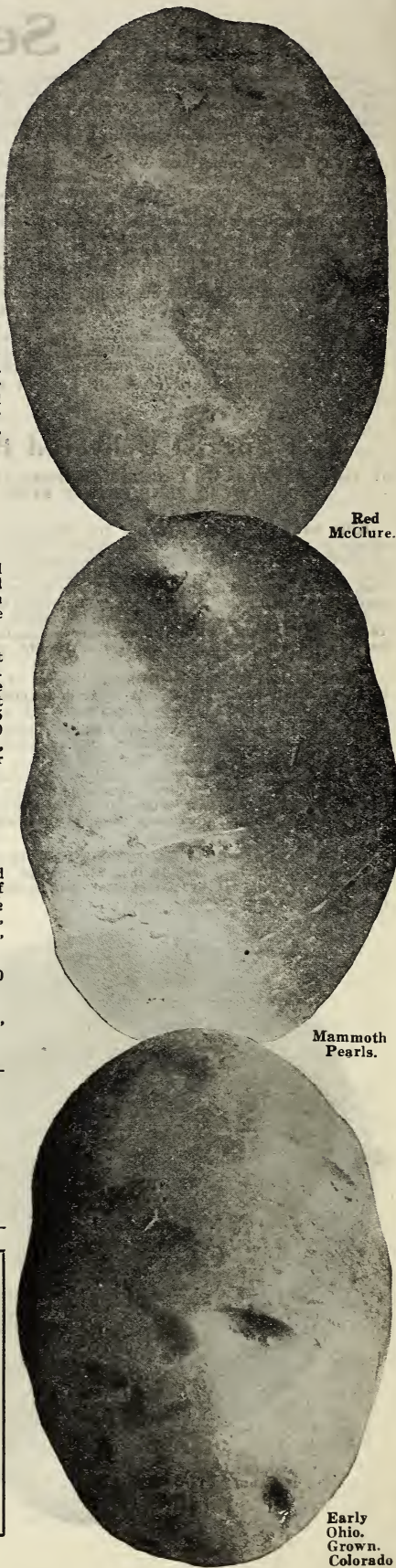
Allow the treated seed to dry, then cut and plant.

This will kill the scab and Rhycoctonias diseases.

Corrosive Sublimate is also very effective in the destruction of plant maggots. In extensive experiments carried out in several states it was 95 per cent effective. A solution of 1 ounce to 10 gallons of water is used and applied at roots or base of plants.

¾ lb., Corrosive Sublimate, 90c; 1 lb., \$2.75, postpaid.

Blue Vitriol and Formaldehyde are also used for treating potatoes.

Red  
McClure.Mammoth  
Pearls.Early  
Ohio.  
Grown.  
Colorado



# Radishes

Prices Postpaid  
SELECTED STOCK

European grown radishes are far better than we can produce at home. This is mostly due to labor conditions, for in the selection and transplanting of radishes a great deal of labor is necessary and in this country where labor is so high it seems to be impossible to devote the necessary time and care to the production of the seed. Our radish seed is all European grown and is far better than the general run of radish seed sold by other houses. We suggest you buy ours and compare them with cheaper seed offered by other firms.

**CULTURE.** To be tender and crisp, radishes must be grown quickly—and quick growth requires rich soil and plenty of moisture. Commencing with the first mild spell of weather in the Spring, sow at intervals of 10 days in a light rich soil that has been deeply dug. They can also be grown as a catch crop between the rows of beets, lettuce, onions, etc. Radishes can be forced in the hotbeds, but they must have plenty of ventilation and moisture.

## Long Varieties

**CINCINNATI MARKET** (Gold Seal Quality). An improvement of the Long Scarlet variety and one that has met with the approval of all the greenhouse and hotbed gardeners. The seed that we offer of this variety is especially adapted to this Western country, and has been given a thorough trial by us. It produces a long, straight radish of beautiful color, with short tops and for this reason can be planted so thick in the bed that the radishes touch one another. It has also won favor among the growers of outdoor radishes and is being planted as the main crop radish for the summer market. Often grows 7 to 9 inches in length. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c;  $\frac{1}{2}$  lb., 60c; 1 lb., 90c; 5 lbs., \$4.00, postpaid.



Cincinnati Market.

**EARLY LONG SCARLET** (Gold Seal Quality). A standard variety of the long type of radish, for both market and home use. Roots long, grown partly above the ground; straight, smooth, and of bright, rich scarlet color, a little white on the end or tip. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c;  $\frac{1}{2}$  lb., 50c; 1 lb., 90c, postpaid.

**WHITE ICICLE RADISH** (Gold Seal Quality). The favorite white radish grown for the market, also extensively used for the home garden. It is a handsome white transparent variety, as crisp as ice, of mild flavor. As seen in the photograph, it is about five inches long with sloping tops and pointed root. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c;  $\frac{1}{2}$  lb., 60c; 1 lb., 90c; 5 lbs., \$4.00, postpaid.



White Icicle.

**LONG WHITE VIENNA or LADY FINGER** (Gold Seal Quality). An excellent variety with long, very smooth, white roots, which are crisp and tender. One of the most desirable of the white summer sorts. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c;  $\frac{1}{2}$  lb., 50c; 1 lb., 90c, postpaid.



Early Scarlet Globe.

## Round Varieties

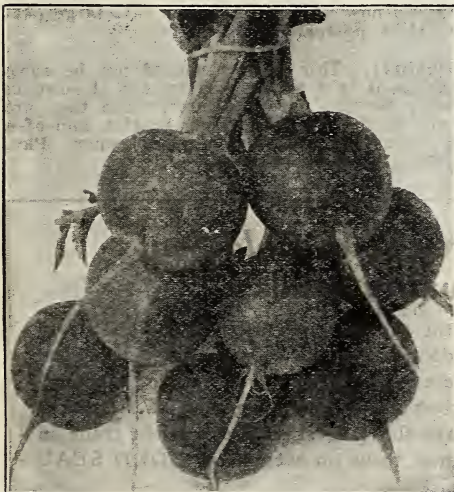
**EARLY SCARLET GLOBE** (Gold Seal Quality). This splendid globe shaped radish is one of the finest early strains of round bright radishes; nothing can surpass its table qualities or its beauty. The skin is bright scarlet; flesh pure white, crisp, and tender, and of delicious quality; fine for market gardeners as an early outdoor forcing radish. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 60c; 1 lb., 90c, postpaid.

**WHITE GLOBE** (Gold Seal Quality). This is a very fine radish and a favorite with

all who have tried it. It is a rapid grower; rather small in size with brittle, sweet flesh and pure white skin. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c;  $\frac{1}{2}$  lb., 50c; 1 lb., 90c, postpaid.

**CRIMSON GIANT** (Gold Seal Quality). This extraordinary turnip shaped variety is of a beautiful crimson color, flesh firm, crisp, and tender. Unlike other varieties of round radishes it remains perfect a long time, does not become pithy even when twice its average size. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 60c; 1 lb., 90c; 5 lbs., \$4.00, postpaid.

**FORCING SCARLET GLOBE** (Gold Seal Quality). One of the most desirable radishes for forcing under glass and also good for field culture. It is very attractive, both in shape and color; being a bright transparent red and very smooth skinned. It is a very quick grower and not apt to crack. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 60c; 1 lb., \$1.00, postpaid.



Forcing Scarlet Globe.



## RADISHES—Continued

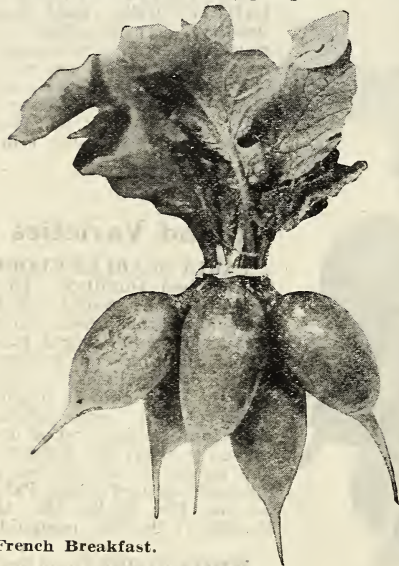
**FRENCH BREAKFAST** (Gold Seal Quality). This is an olive shaped variety and a great favorite for family use and home gardens, as it is very easily grown. The top is of rich scarlet from which color it shades gradually to white at the tip. It should be eaten when medium size. It is a good plan to sow at intervals of 6 or 7 days; this gives young, crisp, solid, and tender radishes throughout the season. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c;  $\frac{1}{2}$  lb., 50c; 1 lb., 90c, postpaid.

**SPARKLER** (Gold Seal Quality). A splendid variety of the Scarlet Turnip White Tipped type, but showing more white, practically the whole lower part being white, while the upper half is a bright scarlet. It makes a fine show on the market bench, is very attractive and is of good quality. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; 1 lb., 90c, postpaid.

**HARTNER'S EARLY WHITE TIPPED** (Gold Seal Quality). This is the little round, red radish with the white tip, that is planted in the early Spring and matures in 30 days. The flesh is snow white, crisp, and tender. For the past 12 years we have supplied and satisfied the market gardeners of this section with this special strain. They grow evenly in size and color and produce small tops. It is by far the best round, white tip radish to plant either for the market or the little home garden. If planted at intervals of 10 to 12 days you have fresh, tender radishes throughout the entire Summer. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c;  $\frac{1}{2}$  lb., 60c; 1 lb., 90c; 5 lbs., \$4.00, postpaid.

**SPARKLER EARLY SCARLET TURNIP, WHITE TIPPED.** One of the most attractive and popular of the early turnip sorts. The roots are slightly flattened, the upper portion a deep scarlet and the under portion white, making a beautiful contrast. Our stock of this important variety is true and can be relied on to be the best of its class. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 30c; lb., 90c; 10 lbs., \$8.00.

**HAILSTONE** (Gold Seal Quality). A pure white, round radish of very fine flavor. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c, postpaid.



French Breakfast.

### Odd Varieties

**ALL SEASON RADISH MIXTURE** (Gold Seal Quality). This is a well balanced mixture of every sort of radishes known and contains only the very best and truest strains. From a bed of our mixed radishes one can have radishes the entire season, for in mixing we include early round, early long, midseason and late varieties. It is quite interesting to have a mixed bed for you will find some sorts you never have seen before. As every seed will grow, we advise that you do not plant too thick so that each plant will thrive and have room to mature. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.00, postpaid.



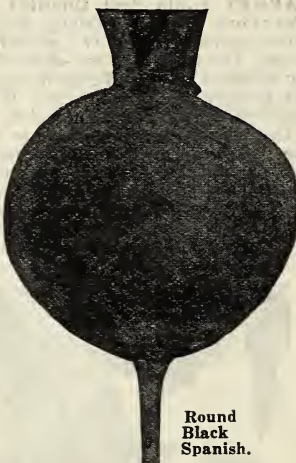
Hartner's Early White Tipped.

### Odd Varieties

**LONG BLACK SPANISH** (Gold Seal Quality). The flavor, color of skin and flesh same as the Round Black Spanish and keeps equally well, is a long black radish instead of round. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 60c; 1 lb., \$1.00, postpaid.

**ROUND BLACK SPANISH** (Gold Seal Quality). Roots round, sometimes top-shaped, 3 to 4 inches in diameter, skin black, flesh white, very compact and highly flavored. Excellent sort for winter use. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 60c; 1 lb., \$1.00, postpaid.

**JAPANESE WINTER RADISH** (Gold Seal Quality). It resembles the Japanese Summer Radish except that it is somewhat smaller. It is more crisp and of better flavor in winter season. It is pure white, grows about 8 inches long and not as tapering as the larger one. Pkt., 5c; large pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 50c; 1 lb., \$1.75, postpaid.



Round Black Spanish.

**JAPANESE SUMMER RADISH** (Gold Seal Quality). Its beautiful white color and mammoth size attract great attention. It is very tender and the flavor is excellent and mild. It attains perfection in Colorado, growing to 2 feet in length and 3 inches in diameter. It is a profitable radish to grow as it sells readily and is relished by all. We have had grown for us a limited quantity of this seed and now offer it at 5c per pkt., large pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 50c; 1 lb., \$1.75, postpaid.

**CHINA ROSE** (Gold Seal Quality). This variety should not be sown earlier than the middle of June, as it is a winter variety, and if sown in the Spring it becomes too woody for use before Winter, when they are used. This radish is shorter and thicker than the Long Scarlet, and of a bright rose color. Flesh very white and solid and a good keeper. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 60c; lb., \$1.00, postpaid.

## No Failures With Gold Seal Quality Seeds

We wish to again call the grower's attention to the quality of the seed we offer. We do not hesitate to say that better seed cannot be offered as we are sure better seeds are not produced, and you will note our prices are very reasonable. We do very little advertising. We have the largest market garden trade in the West, which trade comes to us on account of GOLD SEAL quality and reasonable prices.



## Rhubarb

### SEED

**LINNAEUS or STRAWBERRY.** This is the largest and most productive variety known. No garden should be without rhubarb, especially this kind. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.25, postpaid.

**VICTORIA or EARLY SCARLET.** This variety is a favorite because of its hardness and excellent flavor. While the stems grow to desired length, they are rarely thicker than the thumb. It is desirable for the home garden, where good table quality is first considered. Pkt., 5c; 1 oz., 15c; ¼ lb., 40c; 1 lb., \$1.25, postpaid.

### ROOTS

We can furnish good, live roots of any of the varieties listed below.

**LINNAEUS or STRAWBERRY.** Large Red. **VICTORIA or EARLY SCARLET.** Pink, large.

Any of the above, 2 for 20c; 5 for 40c; 12 for 70c. Charges prepaid. If by freight or express, not prepaid, 55c per doz.; \$4.00 per 100.

## Tobacco

Tobacco seed must be sown early in the Spring in frames or seedbed in rich soil. Reset the plants in the open ground after the weather has become warm, making space between the rows about 4 feet. The cultivation is practically the same as for corn.

**MISSOURI BROAD LEAF.** A well known variety of a very early kind, and one of the few that matures in our country. On account of its broad leaf, it is used by cigar makers for cigar wrappers. Pkt., 5c; ¼ oz., 15c; 1 oz., 40c.

**CONNECTICUT SEED LEAF.** This is the most popular variety; can be relied on to make fine cigars. Stands the cold well. Pkt., 5c; ¼ oz., 15c; 1 oz., 40c.

## Spinach

These Prices Are Postpaid  
QUALITY FIRST

Use More Spinach—It Is Full of Vitamines

**CULTURE.** Spinach thrives in any ordinary soil and its cultivation is a very simple matter. To secure good spinach early in the Spring the seed should be planted in the Fall. For a succession, sow again early in the Spring and every two weeks thereafter. The plants should be cut before hot weather, while young and tender and when properly prepared no greens are more palatable and nutritious. Special prices will be made on larger amounts than quoted below.

**VIROFLAY or VERY THICK LONG-LEAVED.** This is the market gardener's favorite for Fall and Spring sowing around Denver, as it furnishes an abundance of heavy, broad, dark green leaves of finest quality and appearance, and on account of their firmness and substance they remain in prime saleable condition for a long time, making it especially desirable where bulk is desired. Pkt., 5c; oz., 10c; ½ lb., 25c; 1 lb., 35c; 10 lbs., \$2.50.

**LONG STANDING BLOOMSDALE.** This variety is very desirable where a curled, dark leaf spinach is desired, which does not lay flat on the ground, for it has an upright compact growth. This variety has been bred to eliminate the early seeding. It will stand ten days longer than Viroflay before seeding. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 45c; 10 lbs., \$3.50, postpaid. For larger amounts get special prices.

**ALL SEASON SPINACH.** Of flat, spreading, but compact growth. This sort is especially noticeable for its short stemmed, dark green leaves, which are heavily crumpled and savoyed. For marketing during the warm summer months, it is excellent. Pkt., 5c; oz., 10c; ½ lb., 25c; 1 lb., 40c; 10 lbs., \$2.50, postpaid.



New Zealand Spinach.

**PRICKLY SEEDED WINTER.** A fine variety with triangular, oblong or arrow shaped leaves. Hardest of all; the best for fall sowing where winters are severe. Pkt., 5c; oz., 10c; ½ lb., 25c; 1 lb., 40c; 10 lbs., \$2.75, postpaid.

**MOUNTAIN SPINACH.** Is distinct from the common varieties and more productive. May be cut several times during a season. Contrary to belief it grows in almost any location; produces a crop in Summer when other varieties fail. Especially recommended for home gardens. Pkt., 10c; 1 oz., 15c; ¼ lb., 30c; 1 lb., 75c, postpaid.

**NEW ZEALAND (Tetragonia Expansa).** Unlike true spinach in that it thrives during hot weather. The tender shoots are good quality and may be cut continuously throughout the Summer. Becomes very large and spreading; leaves small, broad, but pointed. The seed can be planted 4 to 6 inches apart or in hills. Pkt., 5c; 1 oz., 10c; ¼ lb., 30c; 1 lb., 90c, postpaid.

**KING OF DENMARK.** The leaves are large, rounded, somewhat blistered, and deep green. The plants grow vigorously and are ready to use as soon as any kind; while at the same time they remain a long time in good condition after other kinds have run to seed. Pkt., 5c; oz., 10c; ¼ lb., 15c; 1 lb., 45c; 10 lbs., \$3.50, postpaid.

## Salsify

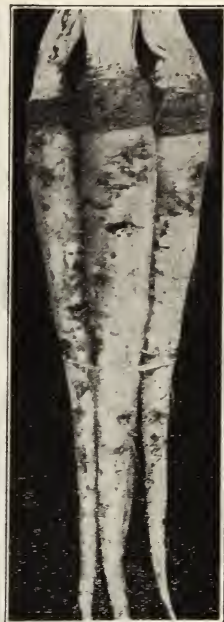
(Oyster Plant)

**CULTURE.** Sow the seed in the Spring in drills 1 foot apart and 1 inch deep, thinning out plants to 4 inches. It succeeds best in light, well-enriched soil. One ounce to 50 feet of drill.

This vegetable, when cooked, resembles the oyster in flavor, comparatively easy to grow, habits similar to those of the parsnip. Can be left in the ground during the Winter; in fact, frost improves the quality. Can be cooked as cauliflower or sliced raw for a salad.

**MAMMOTH SANDWICH ISLAND.** This is the largest variety; very uniform in size; most popular sort for this section. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25, postpaid.

**LONG WHITE FRENCH.** Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50, postpaid.



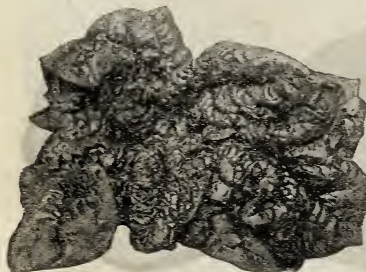
Salsify.



Long Standing Bloomsdale Spinach.

**ROUND BROAD LEAVED.** This excellent variety comes quickly to maturity, forming clusters of large, very thick leaves, rather smooth and rounded at top. A good kind and next to Viroflay as market gardeners' choice. Pkt., 5c; oz., 10c; ½ lb., 25c; 1 lb., 35c; 10 lbs., \$2.50, postpaid.

**BLOOMSDALE SAVOY.** A very early variety. The plant is of upright growth with thick, glossy, dark green leaves of medium size, pointed but quite broad, curled, and wrinkled like those of Savoy Cabbage. It is hardy and grows rapidly. Pkt., 5c; oz., 10c; ½ lb., 25c; 1 lb., 35c; 10 lbs., \$2.50, postpaid.



Savoy Spinach.



# Squash

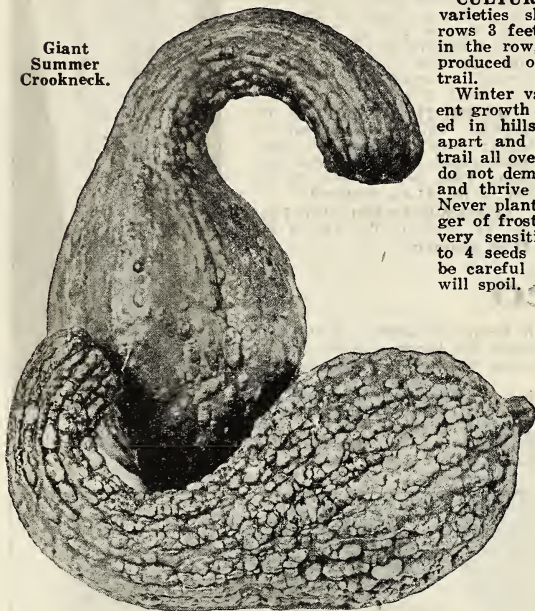
All Prices Postpaid

FOR EARLY SQUASH USE HOTKAPS—SEE PAGE 92.

Squashes are divided into two different classes—summer and winter. Although they neither resemble nor taste alike, both are known as squashes. The majority of the summer varieties are the bush sorts, while the winter varieties are the running sorts.

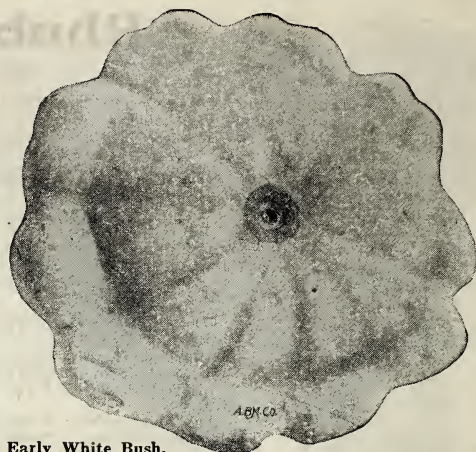
## Summer Varieties

Giant Summer Crookneck.



**CULTURE.** Summer or bush varieties should be planted in rows 3 feet apart and 3½ feet in the row, for these sorts are produced on bushes and never trail.

Winter varieties are of different growth and should be planted in hills about 4 to 5 feet apart and allowed to vine and trail all over the ground. Squash do not demand much cultivation and thrive on almost any soil. Never plant squash until all danger of frost is past, for they are very sensitive to cold. Drop 3 to 4 seeds to the hill. Always be careful not to bruise when harvesting, for a bruise will start decay and the squash will spoil.



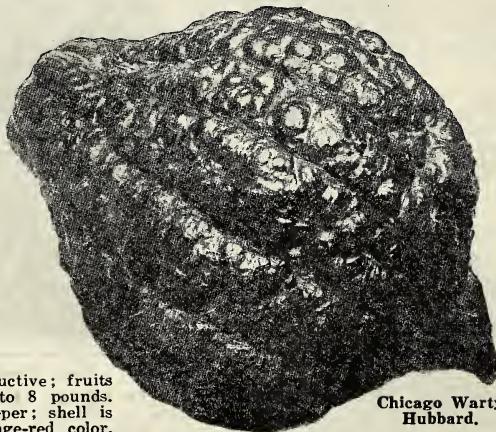
Early White Bush.

**EARLY WHITE BUSH SCALLOP.** An extra early sort that is ready for market ahead of any of the other varieties of White Bush Squash. The demand for White Bush Squash is increasing each year among the car lot vegetable shippers. One of the peculiar characteristics of this squash is that in order to keep it bearing and producing the squash must be kept picked and never allowed to grow larger than 5 or 6 inches across. And as this is the size desired by the shippers, ready markets can always be found. Last year there was not enough Early White Bush Squash planted to supply the demand. It is easy to grow; a fine eating vegetable and should be planted in all gardens, large or small. Postpaid, pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.15.

**GIANT SUMMER CROOKNECK.** An improvement over the Summer Crookneck, and rapidly becoming a favorite among the market gardeners. Its growth and habits resemble the common crookneck variety, but the fruits have a different shaped neck; instead of being long, narrow and crooked it is somewhat shorter, thicker and straighter, making it more desirable for packing and not so liable to break off. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.15, postpaid.

## Winter Varieties

**CHICAGO WARTY HUBBARD.** This is the best and most popular strain of the winter squash. When thoroughly ripe its tough, warty shell is as hard as a rock, and the meat is a rich golden-orange color, possessing the highest flavor, only to be compared with that of a sweet potato. Many prefer a good ripe Hubbard Squash baked well done in a hot oven to baked sweet potatoes. Chicago Warty Hubbard, if allowed to ripen will keep in good condition, and one may have this delicious vegetable all Winter. They are easy to grow, and pay you well for the time and trouble. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00, postpaid.



Chicago Warty Hubbard.

**GOLDEN HUBBARD.** Very productive; fruits uniform in size, weighing from 6 to 8 pounds. Skin like the Hubbard; good keeper; shell is very hard, warty and of rich orange-red color. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25, postpaid.

**HUBBARD SQUASH (TRUE).** The old standard variety of winter squash, and equal in every respect to the warty in growth, flavor and yield, but matures a few days earlier. Practically the only difference is in the skin or shell. The true Hubbard has a smooth surface while the warty Hubbard is knotted and rough. Price, postpaid: Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00.

**PIKE'S PEAK or SIBLEY.** An excellent winter squash. Fine grained and superior in flavor and keeping qualities to the Hubbard squash, but not so well known. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

**BOSTON MARROW.** Is the favorite winter squash of the Eastern states. It is of fine flavor and a good keeper. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.

**MARBLE HEAD.** Of bluish color, sweet and dry. Fine flavored. Shape long and pointed at both ends. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

**DELICIOUS.** This is a splendid variety; more like the Hubbard than any other, but surpasses it in some respects for home use as it is not quite so large. The shell is not so hard; the meat is thicker and of extra fine quality. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

**BANANA SQUASH.** This is a rather odd squash but a great favorite wherever grown. The squash grows 1½ to 2½ feet long and about 9 inches in diameter. The skin is light olive color; flesh beautiful orange and it is recognized as the sweetest squash that grows. When matured it will keep longer than the Hubbard. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50.

**VEGETABLE MARROW.** Any one enjoying summer varieties should plant some of this variety as it is exceedingly delicious as well as prolific. Steamed when young or can be fried as an eggplant and is equal to eggplant. The squash is 12 to 14 inches in length, is a creamy color, does not require much irrigation and in fact it is a good sort for dry lands. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.15, postpaid.

## Acorn Squash

This squash is sometimes called the Des Moines or Individual, and is a small acorn shaped squash with dark green rind and is a very choice squash for serving individually by cutting it open lengthwise from stem to blossom end, and after scraping out the seed cavity and placing a large lump of butter in the one half, place the two halves back together and bake them and serve in the shell. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50.



Acorn or Table Queen.



# Tomatoes—Western Grown

Prices on Tomatoes Are Postpaid

**CULTURE.** The best crops are grown in light soil. For extra early fruit the seed should be sown in hotbeds about the first week in March. Sow seed in rows 4 inches apart and not over one-half inch deep. Enough plants for a small garden may be grown in shallow boxes or flower pots in a sunny window in the house. When the weather becomes warm out-of-doors, gradually harden them by exposing them to the air. When all danger of frost is past, set out in the open and water until the plants are established.

**BEAUTY (Gold Seal Quality).** A hardy grower, very prolific; large, smooth and a glossy crimson with a tinge of purple; grows in clusters of four to six large fruits, retaining its splendid size throughout the entire season. Ripens quite early; flesh is very firm, has a tough skin and few seeds, seldom rots or cracks after rain. Picked green, it will still ripen nicely. For the main crop we strongly recommend the Beauty, as for shipping and general marketing purposes it has no superior. Our seed is grown from selected stock and has been tested. It can be depended upon to give the best results. Pkt., 5c; ¼ oz., 10c; oz., 30c; ¼ lb., 90c; 1 lb., \$2.75, postpaid.

**MARGLOBE.** The most important Tomato introduced in years—the achievement of Dr. Fred Pritchard, U. S. Department of Agriculture. It is practically immune to Nail Head Rust and Fusarium Wilt. It is a hybrid from Marvel and Globe, of pure scarlet globe shaped type, having the fine characteristics of the Globe but more vigorous; a heavier producer and somewhat earlier—an exceptionally fine Tomato, especially recommended for shipping. Price, pkt., 10c; ½ oz., 30c; ¼ lb., \$1.75; 1 lb., \$5.50.

**THE WYOMING TOMATO.** Is more prolific than the Beauty, stands shipping better, is more uniform in size and free from cracks and cat faces. It bears medium size fruit in clusters of four or five round, solid Tomatoes, colored purplish pink. This variety has been thoroughly tried by us and we highly recommend it to growers who raise Tomatoes for market and shipping trade. Pkt., 15c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50.

**JUNE PINK (Gold Seal Quality).** One of the most satisfactory, extra early varieties, yields as much as Sparks' Earliana and Chalk's Early Jewel, ripening a few days earlier than either of these. The fruit is good size, smooth, purplish red and are produced in great abundance. This is an excellent tomato for the home garden or local market, but will not stand shipping, as it is too tender and thin-skinned for this purpose. Pkt., 5c; large pkt., 10c; ¼ oz., 15c; oz., 40c; ¼ lb., \$1.50; 1 lb., \$4.00, postpaid.

**JOHN BAER (Gold Seal Quality).** The John Baer is the largest extra early tomato grown. It is a very vigorous grower and sets its blossoms quicker than any of the early sorts. It does not make long vines, but covers the short stalky vines with an abundance of large size, globular, smooth, and uniform tomatoes that ripen quick and are ready for the market one week earlier than the Earliana. The color is a beautiful bright scarlet. The fruit is coreless and has a delicious sweet flavor, being very solid and meaty. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; 1 lb., \$3.50, postpaid.

**BONNY BEST.** An early scarlet fruited tomato which has proven very successful wherever grown. It matures about ten days earlier than the Chalk's Jewel, is smooth, very even in size and a heavy producer. We recommend this variety for the home garden, canning, and shipping purposes. Pkt., 10c; oz., 30c; ¼ lb., 90c; 1 lb., \$2.75, postpaid.



June Pink.



Chalk's Early Jewel.

**CHALK'S EARLY JEWEL.** This is one of the most satisfactory of all early varieties, matures a week to ten days later than the Earliana. The fruit is bright red, very heavy, producing abundantly and continually, having an excellent flavor. One of the finest for the home garden and for canning. Pkt., 5c; ¼ oz., 10c; oz., 35c; ¼ lb., \$1.10; 1 lb., \$3.25.

**EARLY BIRD (Gold Seal Quality).** This new, extra early tomato is the leading early variety. Its color is dark red, it is of dwarf habit, bears large fruit, and is a heavy producer. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; 1 lb., \$3.50, postpaid.

**DWARF CHAMPION.** This is an early, medium sized variety. The fruit is produced in clusters of three to five; having a glossy purple appearance, and are very solid, meaty, and thick fleshed. The plants make a sturdy, upright growth and are frequently called Tree Tomatoes. Pkt., 5c; ¼ oz., 15c; oz., 30c; ¼ lb., 90c; 1 lb., \$3.00, postpaid.

**PONDEROSA (Improved Strain).** Is a purple Tomato, a little late. It is the largest and heaviest practical variety; bears well throughout the entire season and is a fine sort for the home garden. Pkt., 5c; ¼ oz., 15c; 1 oz., 35c; ¼ lb., \$1.15, 1 lb., \$3.75, postpaid.

**EARLY DETROIT.** A second early, medium sized, smooth, handsome, globe-shaped, purple fruited variety. Yields heavier and earlier than Beauty, which it closely resembles. Considered a better main crop tomato than Beauty, being more prolific, thicker, and a better shipper. Pkt., 10c; oz., 40c; ¼ lb., \$1.10; 1 lb., \$4.00, postpaid.

**ACME TOMATO.** Vines are large, hardy, and productive. Fruits are purplish pink, round, smooth, and of a medium size, free from cracks. Although a very good shipping variety, it is also desirable as a home garden sort. Pkt., 10c; oz., 30c; ¼ lb., 90c; 1 lb., \$3.25, postpaid.

**SPARKS' EARLIANA.** A remarkably early tomato. Fruit of good size, red, smooth, and a very heavy yielder. Recommended as an early tomato, but not for main crop. Pkt., 5c; oz., 30c; ¼ lb., 90c; 1 lb., \$3.00.

**NEW STONE.** It is a sure cropper; fruit smooth, larger and more prolific than the Beauty, and the flesh is solid and free from core. Pkt., 5c; ¼ oz., 15c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.00.

**GLOBE.** A beautiful early variety. Has firm flesh, few seeds, ripens early, is very productive and almost blight proof. This tomato should be planted more extensively by out-of-door planters for it is early and an abundant producer, of fine flavor and an excellent shipper. As a greenhouse tomato it is absolutely unexcelled. Pkt., 5c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.00.

## Small Varieties for Preserving and Pickling

**YELLOW PLUM.** Yellow, plum-shaped, average one inch in diameter; excellent flavor. Pkt., 5c; ¼ oz., 15c; 1 oz., 50c; ¼ lb., \$1.75.

**YELLOW PEAR.** Similar to the Yellow Plum, but fruits are pear-shaped. Pkt., 5c; ¼ oz., 15c; 1 oz., 50c; ¼ lb., \$1.75.

**RED CHERRY.** Fruits round, bright red, presenting a beautiful appearance. Pkt., 5c; ¼ oz., 15c; 1 oz., 50c; ¼ lb., \$1.75.

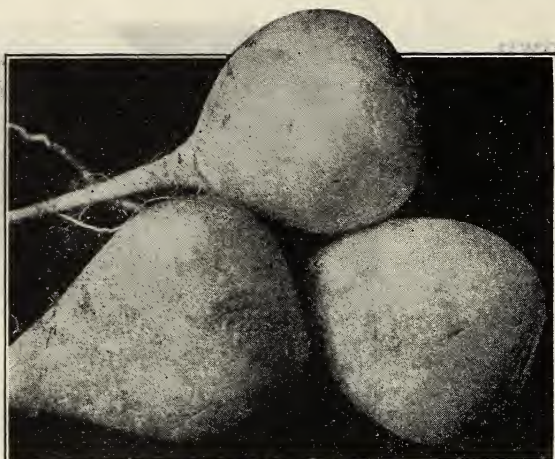
**HUSK TOMATO.** For preserving purposes only. Pkt., 5c; ¼ oz., 15c; 1 oz., 50c; ¼ lb., \$1.75.

**MIXED SMALL TOMATOES.** Above four varieties. Pkt., 10c.

Beauty  
Tomato.



# Turnips



Gold Seal White Egg.

**EXTRA EARLY WHITE MILAN** (Gold Seal Quality). This is the earliest turnip and is grown exclusively for bunching for the early market. A flat variety, and for this reason has practically no sale after the globe-shaped sorts are offered. Pkt., 5c; large pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25, postpaid.

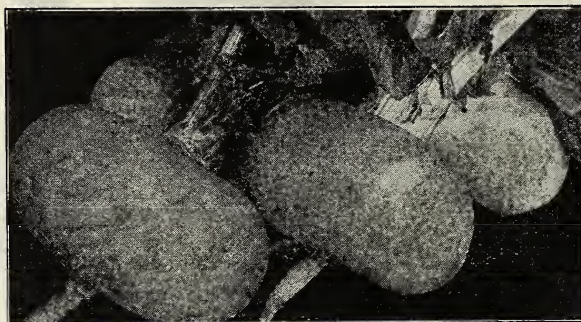
**EARLY SNOWBALL.** Very rapid grower, being white, and is the first of the globe-shaped sorts. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 90c, postpaid.

**EARLY PURPLE TOP MILAN** (Gold Seal Quality). Same as Extra Early White Milan except that about one-third of the turnip is a purplish blue. Pkt., 5c; large pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25, postpaid.

**LONG WHITE or COW HORN.** This variety grows large, partly above the ground. Flesh white and sweet. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c, postpaid.

**DANISH BORTFELDER TURNIP** (Largest Turnip Grown). In countries where turnips are grown extensively for feeding purposes, the Bortfelder is a favorite. It grows two feet in length and five inches in diameter, and of cream color flesh. It is a rapid grower and the most productive of all turnips. It is fed to stock same as mangels. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c.

**POMERANIAN WHITE GLOBE.** One of the most productive kinds and in good rich soil, roots will frequently grow eight pounds in weight. Perfect globe shaped; skin white and smooth. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c.

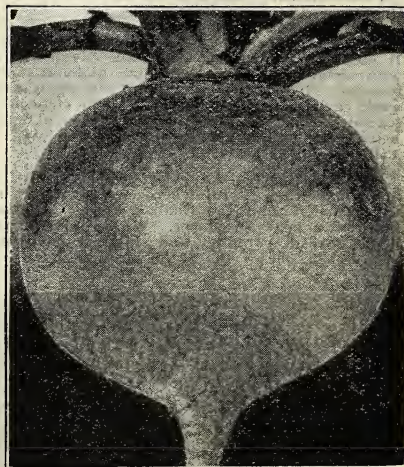


Extra Early White Milan.

## Yellow Turnips

**GOLDEN BALL.** Undoubtedly among the most delicate and sweetest flavored yellow fleshed turnips, not of large size, but firm, hard and of superior quality. Keeps well and is a fine table sort. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c, postpaid.

**YELLOW ABERDEEN.** Very hardy, productive, and a good keeper. Color pale yellow, with purple top, shaped like a globe. Firm in texture, resembling rutabagas. Good for table or stock feeding. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c, postpaid.



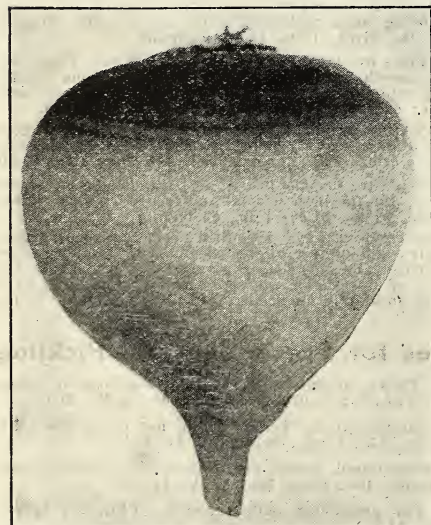
Purple Top White Globe.

## RUTABAGAS

Rutabagas are excellent feed and when fed as mangels they greatly enrich the flow of milk.

**BANGHOLM RUTABAGA** (Gold Seal Quality). This is the largest rutabaga grown and has been awarded the highest certificate by the Danish government as the best cropping rutabaga. On several trials it has produced as much as 49 tons per acre where it is intensively grown. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c, postpaid.

**IMPROVED AMERICAN PURPLE TOP** (Gold Seal Quality). Very hardy and productive; flesh yellow; sweet and solid. Good for stock or table use. One of the best yellow sorts. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c, postpaid.



American Purple Top Rutabaga.



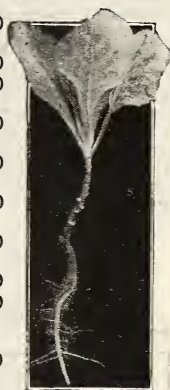


## Vegetable Plants and Roots



Onion Plants.

	Doz.	100	1000
CABBAGE, Early. Golden Acre .....	\$0.25	\$0.85	\$5.00
CABBAGE, Early. Early Jersey Wakefield, Charleston Wakefield, Copenhagen Market, Glory of Enkhuizen, Winnigstadt (Ready April 15th) .....	.20	.70	4.50
CABBAGE, Late. Hollander, Danish Roundhead, Danish Ballhead, Evergreen Hollander, Flat Dutch (Ready May 1st or later if desired) .....	.20	.70	4.00
CABBAGE, Red. Red Rock, Red Stonehead (Ready April 15th or later) .....	.20	.70	4.50
CABBAGE, Savoy or Curly, Early Elm, Drumhead Savoy (Ready April 15th or later) .....	.20	.70	4.50
EGGPLANT. Black Beauty, New York Improved (Ready May 20th or later) .....	.40	1.50	10.00
CAULIFLOWER, Early. Dwarf Erfurt, Early Snowball, Maxine Snowball (Ready April 15th) .....	.25	1.00	6.50
CAULIFLOWER, Late. Johnson's Special Strain, Henderson's Snowball, Danish Perfection (Ready May 1st) .....	.25	1.00	6.50
CELERY. Golden Self Blanching, Hartner's Wonder, Giant Pascal, Golden Summer (Ready May 20th or later) .....	.20	.65	4.00
CELERY. Hartner's Country Club (Ready June 5th or later) .....	.25	.80	5.00
TOMATOES, Transplanted. Early Bird, June Pink, Earliana, Chalk's Early Jewel, Yellow Plum, Red Cherry, John Baer, Dwarf Champion (Ready May 15th or later) .....	.30	1.00	6.50
PEPPERS. Chinese Giant, Early Neapolitan, Pimento, Bull Nose, Mikado (Ready May 15th) .....	.30	1.50	8.00
PEPPERS. Chili, Cayenne, Ruby King, Ruby Giant (Ready May 15th or later) .....	.30	1.50	8.00



Cabbage Plant.

### Onion Plants

These plants are field grown, which makes them very hardy; however, all plants deteriorate more or less and in order to save time and have them arrive in the best possible condition, we fill all large orders for a crate or more direct from the growers. For less amounts, we supply from stock which we carry at Denver. These plants are put up 100 in a bunch or 6000 in a crate. We will be glad to supply any amount.

Prices by Parcel Post, Prepaid	100	1000	6000
Sweet Spanish .....	\$0.40	\$2.00	\$8.50
White Bermuda (straw color) .....	.30	1.85	7.00
Crystal White Wax .....	.30	1.90	7.00

The above prices are delivered anywhere in the United States except Utah, Montana, Nevada, and Wyoming, where an extra charge of 90c per crate will be made.

### PLANTS AND SHRUBS BY PARCEL POST

On account of slow transportation and rough handling, we find plants and shrubs often arrive damaged when shipped by parcel post. Therefore, it is impossible for us to guarantee their safe arrival by parcel post.

We do not recommend sending vegetable plants by mail, but if you desire your order to come through the mail, we will do all in our power to have them reach you in good shape, but we will not be responsible for their delivery in good condition. If wanted by parcel post, add 5c per dozen, 10c per hundred, 70c per thousand. No plants sent C. O. D.



# Vegetable Roots

## ASPARAGUS ROOTS



Asparagus.

The roots we offer are fresh stock grown from our best strains of imported seeds. We offer both one-year and two-year-old roots, but for good quick results we recommend the two-year-old strong, vigorous roots. The prices on asparagus roots are postpaid. The two best varieties grown in our section are the Palmetto and the Argenteuil; both produce green shoots that are tender from tips to base. We can furnish good, strong plants of the following: Giant Argenteuil, Palmetto, Conover's Colossal, Mammoth White. Good two-year-old roots, 1 dozen, 35c, postpaid; 100 for \$1.50, postpaid; 1000 for \$10.00, not prepaid.

MARY WASHINGTON. This asparagus, which has been selected by the United States Department of Agriculture, Washington, D. C., has proven to be nearly rust free. The shoots are thick and heavy. They are long and straight with closely folded tips. The color is rich dark green, tinted darker at the tips. It is a heavy yielder of exceptionally fine flavor. 1 dozen, 40c; 100, \$2.00, postpaid; 1000, \$12.00, not prepaid.

## RHUBARB (Pieplant)

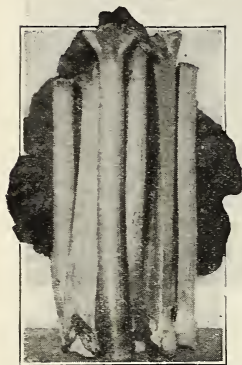
No garden is complete without this old standard. It is easy to start and improves each year. Although we have many varieties we recommend the Strawberry, Giant Red, Large Victoria. We have only two-year-old roots that will do well in any soil. Each, 10c; dozen, 70c, postpaid; 100, \$3.75, not prepaid. Write for special price on large amounts.

## HORSERADISH

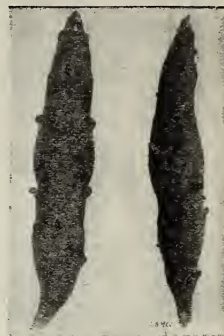
This is one of the hardiest vegetables for the garden or farm. It gives results the first year. The larger roots can be taken up and stored for winter use. If grown for the market you will find it very profitable. 1 dozen roots postpaid, 20c; 100 roots postpaid, \$1.25. For larger amounts get our special price.

## JERUSALEM ARTICHOKE

The culture of the artichoke is similar to the potato, hence the name: "Potato Artichokes." For description see page 57. Price, 1 lb., postpaid, 15c; 10 lbs., postpaid, 90c. Write for prices on large amounts.



Rhubarb.



Jerusalem Artichokes.



Sage.

## MINT ROOTS

The true old-fashioned mint for seasoning; easy to grow and gives results the first season. Dozen, 15c; clump of roots, 30c, postpaid.

## CHIVES (Schnittlauch)

Although of the vegetable family it can also be used as a border plant for the flowers. For flavoring soups, cottage cheese, etc. When using for flavoring the tall slender leaves or tops are clipped close to the ground and chopped up fine, the same as parsley. After cutting, the tops sprout again for future use; 8 or 10 cuttings may be obtained in one season. Per bunch, large, 30c, prepaid.

## SAGE

One-year clumps. Each, 30c, postpaid.

## TARRAGON

Highly recommended for Tarragon vinegar. Each, 15c, postpaid.

## Vegetable Plant Collection 60c Postpaid

We are offering you here a fine collection of good strong plants, a dandy assortment for an average garden. Extra care is given this collection, both as to the grade and packing, so that they will carry well by mail.

- 1 dozen Early Cabbage Plants.
- 1 dozen Late Cabbage Plants.
- ½ dozen Large Green Pepper Plants.
- 1 dozen Snowball Cauliflower Plants.
- ½ dozen Large Tomato Plants.

## Our Easy to Grow Flower Collection

Sent prepaid to your door by mail  
for .....

40c

Regular selling price of this selection is 75c.

- 1 Pkt. Grandiflora Sweet Peas.
- 1 Pkt. Large Flowering Mixed Petunia.
- 1 Pkt. Dwarf Mixed Nasturtiums.

- 1 Pkt. Grandiflora Mixed Salpiglossis.
- 1 Pkt. Cosmos.
- 1 Pkt. Sweet Alyssum.
- 1 Pkt. Mixed Zinnias.

- 1 Pkt. Dwarf French Marigold.
- 1 Pkt. Large Flowering Drummond's Phlox.
- 1 Pkt. Morning Glory, Mixed.

## Flowering Annuals Collection

1 Pkt. Each:

- Alyssum, Little Gem
- Balsam, Defiance Mixed
- Calendula, Lemon Queen
- Calliopsis, Drummond's
- Centaurea, Cyanus, Double Mixed
- Clarkia, Finest Mixed

- Cosmos, Early Flowering Mixed
- Dianthus, Fordhook Favorites
- Eschscholtzia, Mixed
- Marigold, Tall Double Mixed
- Marvel of Peru, Mixed
- Nasturtium, Dwarf

- Phlox
- Poppy
- Mourning Bride
- Sunflower, Double Chrysanthemum, Flowered
- Zinnia, Giant Mammoth, Mixed
- Strawflower

Our special price,

prepaid ..... 75c

If packed separately this collection would cost \$1.40.



# Western Seed Collections

These collections of seed, which we offer at half price, include only the best varieties of their kind and represent many high-priced novelties. The only cheap item about them is the price. It is possible for us to sell these collections at this price for two reasons; we get them ready before the spring rush opens, when our time is less valuable; second, in making this offer, it helps us get acquainted with many new buyers.

**NOTICE**—These collections are already put up and we cannot change any of the varieties

## FARM GARDEN COLLECTION \$3.00

This Complete Collection for \$3.00; Regular Price, \$5.35.

$\frac{1}{4}$ lb.	Egyptian Beet	.....	\$0.35
$\frac{1}{4}$ lb.	White Egg Turnip	.....	.35
$\frac{1}{4}$ lb.	Chantenay Carrot	.....	.35
$\frac{1}{4}$ lb.	Yellow Danvers Onion	.....	.75
1 lb.	Alaska Peas	.....	.40
1 lb.	Late Stratagem Peas	.....	.45
1 lb.	Golden Wax Beans	.....	.30
$\frac{1}{4}$ lb.	Early Sweet Corn	.....	.20
$\frac{1}{4}$ lb.	Late Evergreen Corn	.....	.20
$\frac{1}{4}$ lb.	Round Radish	.....	.15
$\frac{1}{4}$ lb.	Long Radish	.....	.15
$\frac{1}{4}$ lb.	Grand Rapids Lettuce	.....	.50
$\frac{1}{4}$ lb.	Kieckley Sweet Watermelon	.....	.35
$\frac{1}{4}$ lb.	Rocky Ford Cantaloupe	.....	.35
2 qt.	Yellow Onion Sets	.....	.50

## MOUNTAIN VEGETABLE COLLECTION, 70c

We find that mountain grown vegetables are far superior in quality to those grown elsewhere, therefore everybody living in the mountains should raise at least enough vegetables for their own use. Many sorts of vegetables will not grow in high altitudes. We have made up a collection that will mature and we offer a \$1.15 collection for 70c, postpaid.

Charleston Wakefield Cabbage	.....	\$0.10
Mountain Iceberg Lettuce	.....	.15
Early Beets	.....	.05
Half Long Carrots	.....	.05
Green Beans	.....	.10
Telephone Peas	.....	.15
White Tip Round Radishes	.....	.05
White Egg Turnips	.....	.10
1 Qt. Yellow Onion Sets	.....	.30
Bangholm Rutabagas	.....	.10

## GARDEN SEED COLLECTION, \$1.50

Below we have made up a collection of Garden Seeds which is very valuable, especially for beginners. This collection at regular price amounts to \$2.50. We will send it postpaid for \$1.50.

$\frac{1}{2}$ oz.	Early Beets	2 oz.	Early Peas
$\frac{1}{2}$ oz.	Late Beets	2 oz.	Late Peas
1 oz.	Late Radish, Long	2 oz.	Wax Beans
1 oz.	Early Radish, Round	2 oz.	Green Podded Beans
$\frac{1}{2}$ oz.	Onion, Yellow	2 oz.	Pole Beans
$\frac{1}{2}$ oz.	Carrot	1 pkt.	Tomato
$\frac{1}{2}$ oz.	Parsnip	1 pkt.	Cucumber
2 oz.	Pop Corn	1 pkt.	Watermelon
2 oz.	Early Sweet Corn	1 pkt.	Turnip
$\frac{1}{2}$ oz.	Early Squash	1 pkt.	Early Cabbage
$\frac{1}{2}$ oz.	Late Squash	1 pkt.	Late Cabbage
$\frac{1}{2}$ oz.	Pumpkin	1 pkt.	Muskmelon
1 oz.	Lettuce	$\frac{1}{3}$ oz.	Salsify

## OUR GREAT \$1.00 WESTERN SEED COLLECTION

30 full sized packages which sell at 5c and 10c each, for \$1

Beans, Golden Wax	Nasturtium, Dwarf (Finest Mixed)
Beans, Shippers Green	Onion, Yellow Globe Danvers
Beets, Detroit Dark Red	Onion, Red Globe
Cabbage, Early Wakefield	Oyster Plant, Mammoth
Cabbage, Late Holland	Sandwich Island
Cantaloupe, Rocky Ford	Parsnip, Hollow Crown
Carrot, Chantenay	Peas, American Wonder
Carrot, Oxheart	Pumpkin, Small Sugar
Corn, Early Evergreen	Radish, Early Long Scarlet
Corn, Howling Mob (New Strain)	Radish, White Tip Scarlet
Cucumber, Long Green	Squash, The Hubbard
Lettuce, Grand Rapids	Squash, White Bush Scallop
Lettuce, Big Boston (head)	Sweet Peas, Spencer Mixed
Lettuce, Prize Head	Tomato, Livingston Beauty
Morning Glory (Finest Mixed)	Turnip, Snowball
	Watermelon, Rocky Ford

Read About  
**Our Free Offer**  
See Page 58





# FLOWER SEEDS

OUR FLOWER SEEDS ARE FRESH EACH YEAR

There are no more satisfactory flowers than those grown from seed, especially the easily grown and brilliant flowering annuals. The beautiful shrubs and trees, of course, have their place, but are far more expensive than a paper of seed which will furnish a large number of plants with usually enough for one garden and some to spare.

Some flowers like dahlias, etc., wilt or fade soon after they are cut. Ordinary precaution is daily change of water. The best treatment for these is to pick them at the coolest hour, either late at night or early in the morning. Dip two or three inches of the stems in boiling water for two or three minutes and then place in cold water and in a cold place. Do not hold flowers over the hot water, but dip the stems from the side, being careful not to heat the flowers. Another success is to dissolve an aspirin tablet in the vase.

**CULTURE.** Cultural directions are given on the packets, and we urge purchasers to study them carefully. While some seeds need special treatment, the following general rules will apply to all. Make the surface of the soil as fine, smooth and level as possible; do not plant when the ground is wet; cover each lot of seeds to a uniform depth, which should not be more than four times the diameter of the seed; press the soil firmly over the seed; plant in rows so that the starting plants can be seen easily; thin out the young plants to prevent crowding and keep entirely free from weeds.

Plants are usually divided into three classes, annuals, biennials, and perennials. Annuals are plants which normally live but a single season. Biennials are plants living two years; particularly those which do not bear flowers and fruit until the second season. Perennials tend to live from year to year.

**ABRONIA.** See Sand Verbena.

## ACROCLINIUM - Everlasting

A half hardy annual, producing white and rose colored double daisy-like flowers.

1000—Double Mixed. Pkt., 5c; oz., 25c.

## ADONIS - Pheasant's Eye

Flos Adonis. Feathery foliage. Hardy annual.

1001—Blood Red. Pkt., 5c; oz., 20c.

## AGERATUM - Floss Flower

Very attractive dwarf border flower. Free flowering.

1002—Dwarf Blue. Pkt., 5c; oz., 40c.

1003—Mixed Colors. Pkt., 5c; oz., 25c.

**AGROSTEMMA.** See Rose of Heaven.

## ALYSSUM

These are without doubt one of the easiest flowers grown, for borders, baskets, pots, rockwork and for cutting. In borders, sow thickly, so as to form masses.

1004—Sweet Alyssum—Common. Pure white flowers of a delicate fragrance. Pkt., 5c; oz., 30c.

1005—Little Gem or Carpet of Snow. One of the quickest growing border plants. Pkt., 5c; oz., 50c.

## AMARANTHUS, Sweet Scented

Plants are hardy annuals and are grown for their brilliant foliage. Especially suitable for backgrounds, centers of beds, etc. Grows from three to five feet.

1006—Tricolor (Joseph's Coat). Leaves variegated; flowers crimson. Pkt., 10c; oz., 70c.

1007—Caudatus (Love-Lies-Bleeding). Long drooping crimson flower spikes with yellowish green foliage. Pkt., 10c; oz., 70c.

## ANCHUSA, Italica

1008—Dropmore Variety. Hardy perennial, growing about 5 feet; flowers are a clear, bright blue. Pkt., 10c; oz., \$2.50.

**ANTIRRHINUM.** See Snapdragon.

**AQUILEGIA.** See Columbine.

Improved Crego Aster.

## GIANT COMET ASTER

Forms flowers of extraordinary size and beauty. A favorite European variety.

1018—Mixed Colors. Pkt., 10c; ¼ oz., 20c; oz., 60c.

## AMERICAN BRANCHING—SEMPEL'S ASTER

The plant grows 1½ feet high. The blossoms, which are large and full petaled, are borne on long stems or branches.

1019—Mixed Colors. Pkt., 10c; ¼ oz., 25c; oz., 75c.

## OSTRICH FEATHER ASTER

The flowers of this class resemble the Japanese Chrysanthemums, with long, curved, fringe-like petals, giving a feathery appearance; of immense size. 2½ feet.

1020—Finest Mixed. Pkt., 10c; ½ oz., 30c; oz., 50c.

## BALSAM - Lady Slipper

Sometimes called "Touch-Me-Not." The colors range from white to dark purple, sometimes spotted or striped. Tender annual.

1021—Dwarf Mixed—Double. Stalks 1 foot high. Pkt., 5c; oz., 50c.

1022—Camellia Flowered Mixed. Largest double variety. Pkt., 5c; oz., 75c.



Amaranthus Caudatus.



## ASTERS

The asters are now among the most interesting, beautiful and satisfactory of flowers; late years have added charming new colors and gigantic size to the kinds now being grown in this country. They thrive and flower throughout the entire Summer and there is hardly a prettier sight than a bed of asters in full bloom. They will do well in a partly shaded position where their blossoms last longer and attain a deeper tint than in full sunshine. The aster is of easy culture and when started from seed should be sown in March or April in the hotbed, greenhouse, or in boxes, and when the plants have three or four leaves transplant to the open, 18 inches apart each way. For aster plants, see page 66.

## IMPROVED CREGO ASTERS

This class of asters are so unique that we feel they should have a section all to themselves. Of free, sturdy growth, attaining a height of 2 to 2½ feet. The foliage is a glossy green, the branches bearing literally in masses the most graceful fluffy flowers, rarely less than four inches across, as beautiful as the most exquisite Chrysanthemum, keeping in good condition longer than any other aster of this type. Blooms August to late frosts.

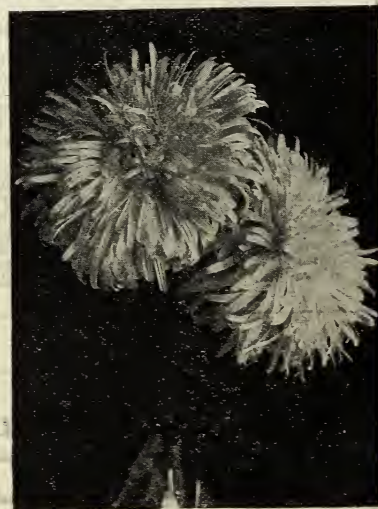
- 1009—Improved Crego Pink.
- 1010—Improved Crego Lavender.
- 1011—Improved Crego Crimson.
- 1012—Improved Crego Purple.
- 1013—Improved Crego Blue.
- 1014—Improved Crego Violet.
- 1015—Improved Crego White.
- 1016—Improved Crego Mixed.

Any of the above. Pkt., 10c; 3 pkts., 25c; ¼ oz., 25c; oz., 70c.

## QUEEN OF THE MARKET ASTER

One of the finest and earliest blooming varieties. Of branching habit, 18 inches high.

1017—Mixed Colors. Pkt., 10c; ¼ oz., 20c; oz., 60c.



Comet Asters.



**BABY'S BREATH - Gypsophila**

Small fragrant flowers, borne on long feathery stems. No flower adds more of light and grace to a bouquet than this, and when once grown will be found indispensable.

1023—*Elegans* Annual. The plants are covered with pure white flowers. Pkt., 5c; oz., 30c.

1024—*Elegans* Rosea. A beautiful soft pink. Pkt., 10c; oz., 35c.

1025—*Paniculata* (Perennial). Double white, especially feathery and delicate. Pkt., 20c; ¼ oz., 50c.

**BACHELOR BUTTON.** See *Centaurea Cyanus*.

**BALLOON VINE**

(Love-in-a-Puff)

Hardy annual climber growing 10 feet in height. Foliage light green. Bears small white flowers, followed by inflated seed pods resembling small balloons. Used mostly to cover fences, etc., because of its free and rapid growth.

1026. Pkt., 5c; oz., 25c.

**BLACK-EYED SUSAN**

Hardy annual climber with flowers of buff, orange or white.

1027—Finest Mixed. Pkt., 10c; oz., 75c.

**BRACHYCOME.** See *Daisy*, *Swan River*.

**BROWALLIA**

Blooms profusely. Excellent plant for bedding or porch boxes. Flowers are bright blue and pure white.

1028—Pkt., 5c; oz., \$1.00.

**CALIFORNIA POPPY**

Cheerful blooms and finely cut foliage. Sow where plants are to remain. Hardy annual, grows one to one and one-half feet high.

1029—*Thorburni*. Coppery orange. Pkt., 10c; oz., 50c.

1030—*Golden West*. Bright yellow, orange base. Pkt., 10c; oz., 50c.

1031—*Californica*. Rich yellow. Pkt., 10c; oz., 50c.

1032—*Carmine King*. Carmine-rose. Pkt., 10c; oz., 50c.

1033—*Mixed Hybrids*. Handsome colors. Pkt., 5c; oz., 50c.

**CALENDULA - Pot Marigold**

Large double flowers blooming all Summer, closing somewhat at night. Flowers grow 1½ to 2 feet high. In the past five years this has become very popular because it is so easy to grow, a constant bloomer, and a very desirable and decorative house flower.

1034—*Double Orange King*. Large, rich deep orange. Pkt., 10c; oz., 25c.

1035—*Double Lemon Queen*. Large lemon or sulphur. Pkt., 10c; oz., 25c.

1036—*Double Mixed*. Mixture of several shades of orange, yellow, and primrose. Pkt., 5c; oz., 20c.

**CALLIOPSIS**

One of the easiest growing annuals. Very showy and excellent for cut flowers. Flowers grow 12 to 15 inches high.

1037—*Tall Finest Mixed*. Contains yellow, orange, brown, etc. Pkt., 10c; ½ oz., 20c.

**CANARY BIRD VINE**

Finely cut leaves and bears a profusion of beautiful golden yellow, fragrant flowers. Tall annual climber, growing 10 ft. Easily grown.

1038—Best quality. Pkt., 10c; oz., 40c.

**CANDYTUFT**

Requires little care; blooms all Summer. Sow in early Spring and in August. 12 inches high. Easy to grow.

1039—*Empress*. Dark, white trusses of branching habit; very free bloomer. Recommended for bedding and cut flowers. Pkt., 5c; oz., 50c.

1040—*Mixed*. All colors. Pkt., 5c; oz., 25c.



California Poppies.

**CANNA**

(Indian Shot)

Very showy plant with massive foliage and spikes of brilliant flowers. Seed should be soaked in warm water 24 hours before sowing. Height, three feet.

1041—*Finest Mixed*. All colors. Pkt., 10c; oz., 60c.

**CANTERBURY BELLS**

(Campanula)

Bears a great profusion of attractive, bell-shaped flowers. Hardy perennial, grows from two to four feet.

1042—*Single Mixed*. Pkt., 10c; oz., 50c.

1043—*Double Mixed*. Pkt., 10c; oz., \$1.00.

**CASTOR OIL BEAN**

(Ricinus)

A flowering tropical appearing plant, growing to a height of 12 to 14 feet. Leaves grow to an enormous size. Used for ornamental purposes only.

1044—*Zanzibarensis*. Large variety. Pkt., 5c; oz., 20c.



Calliopsis.

**CARNATION**

Are an extra vigorous race, especially adapted for outdoor culture. They are very neat in habit and are remarkable for their rich profusion of flowers. Can be sown in early Spring but most satisfactory method is to start indoors and transplant to the open.

**MARGUERITE**

One of the earliest to bloom. Flowers fragrant, deeply fringed, suited for outdoor planting.

1045—*Finest Mixed*. Pkt., 10c; ¼ oz., 35c.

**CHABAUD'S**

Everblooming earliest dwarf French variety. Flowers in six months, large fine blooms.

1046—*Finest Double Mixed*. Pkt., 15c; ¼ oz., 45c.

**GIANT GRENADIN**

This is an extra fine double variety, far superior to Marguerite.

1047—*Double Cardinal Red*. Pkt., 15c; ¼ oz., 50c.

1048—*Double Pure White*. Pkt., 10c; ¼ oz., 40c.

1049—*Double Mixed*. Pkt., 10c; ¼ oz., 40c.

**CHINESE WOOLFLOWER**

A unique free-flowering annual whose massive globular crimson-scarlet heads resemble tufts of brilliantly colored wool. Its ease of culture and freedom of bloom throughout the Summer recommends it for general planting.

1057—*Finest quality*. Pkt., 15c; ¼ oz., 50c.

**COCKSCOMB - Celosia**

A showy annual. Anyone who grows this flower is charmed by its beauty and fantasy of form. They thrive best in a rich, warm soil with plenty of sunshine. The heads will keep for weeks when cut and put into water.

1058—*Plumosa*. Dwarf. The heads of this variety are very feathery and graceful, pyramidal in shape. Pkt., 10c; ½ oz., 50c.

1059—*Cristata*. Tall. This variety has stiff, formal comb shaped heads; brilliant colors. Pkt., 10c; ½ oz., 50c.

1060—*Plumosa* and *Cristata*, Mixed. Pkt., 10c; ½ oz., 50c.

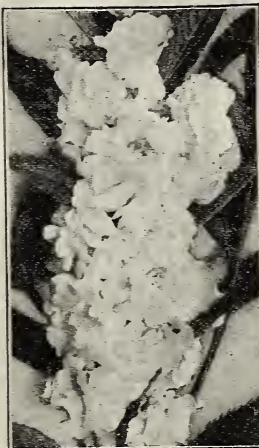
**CHRYSANTHEMUM**

Do not confuse these annuals with the winter-flowering sorts of the florists. They bloom profusely from early Summer until frost, and when grown in large beds or masses, their bright colors make a splendid show. All are fine for cut flowers. Height, 1 to 1½ feet.

1061—*Finest Single Mixed* (Painted Daisy). Pkt., 5c; oz., 40c.

1062—*Finest Double Mixed* (Coronarium). Pkt., 5c; oz., 40c.

1063—*Paris Daisy* (*Frutescens*). Pkt., 10c; oz., 75c.



Balsam.

**CARDINAL CLIMBER**

An annual climber and of rapid growth, attaining a height of 20 feet. Bears many small scarlet flowers.

1050. Pkt., 15c; ¼ oz., 25c.

**CATCHFLY**

Forms compact round bushes; produces dense umbels of red flowers; 12 inches.

1051. Pkt., 5c.

**CENTAUREA**

The popular Cornflower is also known as "Blue Bottle," "Ragged Sailor," "Kaiserblume," and "Bachelor Button." These are bright flowered plants of the hardest nature and simplest culture, and yet the most attractive and graceful of all old-fashioned flowers.

**CENTAUREA CYANUS**

Bachelor Button, Corn Flower, Etc.

1052—*Cyanus*. Double, deep purple. Pkt., 10c; oz., 40c.

1053—*Cyanus*. Double, large blue. Pkt., 10c; oz., 40c.

1054—*Cyanus*. Mixed, blue, purple, white, pink, etc. Pkt., 5c; oz., 25c.

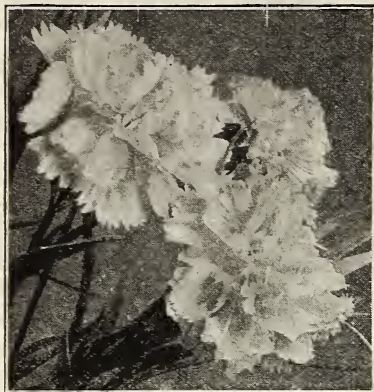
**CENTAUREA IMPERIALIS**

Sweet Sultan

1055—*Imperialis*. Yellow. Pkt., 5c; oz., 30c.

1056—*Imperialis*. Mixed. Pkt., 5c; oz., 30c.





Carnations.

## CLARKIA

A very pretty easy growing annual. Blooms early and freely, flowers in spikes of bright colors. Height, 2 feet.

1064—Double Mixed. Pkt., 5c; oz., 50c.

## COBAEA SCANDENS

(Cup and Saucer Vine)

A perennial climber of rapid growth; growing 20 to 30 feet in a season. Bears large bell-shaped purple flowers. Free from insects.

1065. Pkt., 10c; oz., 75c.

## COLUMBINE - Aquilegia

Exceedingly showy, hardy plants, growing from 1 to 2½ feet high; do best in shady, moist places.

1066—Single Mixed. Pkt., 5c; oz., 75c.

1067—Double Mixed. Pkt., 10c; oz., \$1.00.

1068—Rocky Mountain. Very beautiful perennial; native of Colorado. Color ranges from light to dark blue; centers cream white. Pkt., 10c.

We can supply roots if desired. See Shrubs.

## COLLINSIA

A free-flowering and easily-grown annual, reaching a height of 1 to 2 feet. Flowers white, crimson, purple, etc. A California wild flower.

1069—Best Mixed. Pkt., 5c; oz., 30c.

## COSMOS

A strong, tall-growing annual, with bold flowers of exquisite daintiness and airiness, heightened in effect by their foliage-setting of feathery green. It is most effective when planted in broad masses or along background border against evergreens or fences. Seed should be planted in early Spring.

1070—Early Flowering Mammoth Mixed.

Earliest of all. This new strain will produce flowers in July from seed sown in the open ground in May. Grows 4 feet tall. Pkt., 5c; oz., 35c.

1071—Extra Early Flowering. Pink. Pkt., 5c; oz., 35c.

## EARLY FLOWERING DOUBLE CRESTED

We now have an extra early flowering strain of the double crested type which we recommend very highly for their grace and beauty. They come into flower fully as early as the extra early singles and bloom freely until frost. The flowers are large, ranging from 3 to 4 inches across, the double center standing up like a cushion. Finest mixed.

1072—Mixed. Pkt., 10c; ¼ oz., 50c.

## CYPRESS VINE

A tender annual climber with finely cut leaves and small star-shaped scarlet flowers.

1074—Mixed. Pkt., 5c; oz., 35c.

## CUT FLOWERS

This mixture contains all the main varieties of flowers suited for cut flowers and the ones that are easily grown.

1073—Best Mixture. Liberal Pkt., 10c; oz., 25c.

## DAHLIA

Dahlias are of easy cultivation; growing freely in most any soil from seed in the Spring. Although perennial they will flower the first season if sown early.

1075—Double Mixed. Pkt., 10c; oz., \$1.75.

1076—Single Mixed. Pkt., 10c; oz., \$1.25.

## DUSTY MILLER

(Centaurea)

1082. An excellent plant for border, having graceful, arching silver-gray leaves. Plants grow from 1 to 1½ feet tall. Pkt., 10c; oz., 40c.

DIANTHUS. See Pinks.

DIGITALIS. See Foxglove.

DOLICHOS. See Hyacinth Bean.

DELPHINIUM. See Larkspur.



Centaurea—Sweet Sultan.

## DAISIES

1077—Double English Daisy. Seed sown in early Spring will bloom the first Summer, and continue for years if given a slight protection during Winter. Should be sown in partial shade. H. P. 3 to 6 inches. Pkt., 10c.

1078—African Daisy (Dimorphotheca). Rare and very showy annuals, from South Africa; having daisy-like flowers of a glossy salmon-orange shade with black central ring. A lovely color when flower is open in the sun. Height, one foot. Pkt., 10c; oz., \$1.25.

1079—Blue-Eyed African Daisy. Hardy annual easily grown from seed. The daisy-like flowers are silvery-white with a blue eye surrounded by a narrow golden band. The under part of petals is lilac-blue. Pkt., 10c.

1080—Shasta Daisy. A hardy perennial; sometimes called the California Daisy; a beautiful flower with large white petals and dark centers, measuring 3 to 4 inches across. Pkt., 10c; oz., \$1.00.

1081—Swan River Daisy (Brachycome). Free-flowering dwarf annuals covered during the greater part of Summer with a profusion of pretty blue and white flowers. Suitable for edgings. 9 inches. Pkt., 10c; oz., \$1.00.

ESCHSCHOLTZIA. See California Poppy.

EVERLASTING FLOWERS

See Acroclinium, Globe Amaranth, Statice and Xeranthemum.

## EVENING PRIMROSE

(Oenothera)

1084. A free-flowering annual producing an abundance of large, single flowers which open in the evening. Pkt., 10c.

## EVERLASTING SWEET PEAS

(Lathyrus)

1083. A hardy, perennial climber, growing 10 feet high. Flowers resemble Sweet Peas, but are borne on racemes with eight to ten flowers to the stem. Pkt., 15c.

## FEVERFEW - Matricaria

1085. Pretty and neat. Small, double white flower, being hardy annual, growing 2 feet high. Pkt., 5c; oz., 50c.

FIRE PLANT. See Burning Bush.

FLOWERING SAGE. See Salvia.

## FORGET-ME-NOT - Myosotis

These dainty little flowers love cool, moist soils, and like pansies, bloom most freely in Fall and early Spring. They make beautiful close borders or edgings.

1086—Mixed. Pkt., 10c; 3 pkts., 25c.

## FOUR O'CLOCK

(Marvel of Peru)

Plants are large and require plenty of space. Flowers sweet scented, funnel-shaped, being white, red, yellow or striped. Open about 4 o'clock in the afternoon. 2 feet.

1087—Dwarf Mixed. Pkt., 5c; oz., 20c.

1088—Tall Mixed. Pkt., 5c; oz., 20c.

## FOXGLOVE - Digitalis

The tall, flower-like spikes of the Foxgloves, often 2 to 3 feet., are particularly handsome when grown among shrubbery or in masses.

1089—Mixed. Pkt., 10c; oz., 35c.

## GAILLARDIA

A constant bloomer from early Summer to late Fall. Flowers scarlet and orange. While it is a hardy perennial, will bloom the first year from early planting. Height, 1½ feet.

1090—Grandiflora mixed. Pkt., 5c; oz., 35c.

## GERANIUM

The most popular bedding plants and for pot culture. The blooms are very brilliant and leaves are beautifully marked.

1091—Mixed. Double and single. Pkt., 20c.

## GLOBE AMARANTH

Produces small, very showy, everlasting globe-shaped flowers. When in full bloom should be cut and hung up to dry. Will hold their color all Winter.

1092—Finest Mixed. Pkt., 5c; ½ oz., 20c.



Columbine.



## GODETIA - Satin Flower

Rapid growing; large, Mallow-like flowers; very ornamental as pot plants or in mixed beds. Plants require plenty of room and thrive better in a poor soil. Two feet.  
1093—Dwarf Varieties Mixed. Pkt., 5c; ½ oz., 20c.

## GOURDS, ORNAMENTAL

Climber. Quick growing vines; excellent for covering arbors, walls and other places. Gourds grow in curious shapes and are used for house ornaments.  
1094—Finest Mixed Varieties. Pkt., 5c; oz., 20c.

GYPSOPHILA. See Baby Breath.

HELIANTHUS. See Sunflower.

## HELICHRYSUM - Giant Strawflowers

The largest and showiest of the everlasting, are effective for winter bouquets mingled with Statice and other dried flowers. If wanted for drying, cut with as long stems as possible when the flowers are about one-third open. Strip off all the foliage, tie in small bunches and hang heads downward in some dark, dry place until cured.  
1095—Finest Mixed. Pkt., 5c; ¼ oz., 20c.

## HELIOTROPE

These well known greenhouse and bedding favorites are highly valued for their sweet scented flowers.

1096—Purple. Pkt., 10c; oz., \$1.50.

1097—Mixed. Pkt., 10c; oz., \$1.50.

## HOLLYHOCKS

These stately, old-fashioned perennials are most striking when seen in groups or long rows against evergreen hedges, shrubbery, etc., and in their turn form a very fine background for plants of lower growth.

1098—Double Mixed. Pkt., 10c; oz., \$1.00.

1099—Single Mixed. Pkt., 5c; oz., 65c.

## HYACINTH BEAN

(Dolichos)

A fine climber with clusters of purple and white flowers.

1100—Mixed colors. Pkt., 5c; oz., 25c.

## ICE PLANT

1101. Flowers frosted or wax-like. Excellent for hanging baskets or rockwork. Six inches. Pkt., 5c.

IMMORTELLES See Everlasting Flowers.

IPOMOEA GRANDIFLORA

See Moonflower.

IPOMOEA PURPUREA See Morning Glory

IPOMOEA QUAMOCLIT See Cypress Vine

## JAPANESE HOP

(Humulus)

1102. There is no hardier vine than this. Resists drought, and insects never bother it. The foliage is beautifully variegated. Pkt., 10c; oz., 75c.



Helichrysums.

## JOB'S TEARS

Curious ornamental grass with broad, corn-like leaves and lustrous slate colored seeds used for beads. Valuable for winter bouquets with everlastings.

1103. Pkt., 5c; oz., 15c.

JOSEPH'S COAT

See Amaranthus.

## KOCHIA

(Summer Cypress)

This splendid ornamental annual is sometimes called Burning Bush. The plants form a dense oval bush, 2 to 4 feet high. Light green foliage, changing to carmine as Summer advances.

1104. Pkt., 5c; oz., 25c.

## KUDZU VINE

(Jack-and-the-Beanstalk Vine)

Hardy perennial climber. Grows 8 to 10 feet the first season from seed, each year getting larger. Forms a dense shade; unequalled for porches, arbors, etc.

1105. Pkt., 10c; 3 for 25c.

## LACE FLOWER

Hardy annual. Grows about 2 feet in height, with lovely blue flowers. Make beautiful and lasting cut flowers.

1106. Pkt., 15c.

## LANTANA

A rapid growing plant. The flowers borne in Verbena-like heads, embracing every shade of pink, purple, orange, and white. Height, about 2 feet.

1112. Pkt., 10c; oz., 50c.



African Daisies.

## LARKSPUR

ANNUAL

These free blooming annuals are very easily grown. Seeds planted in the open in Spring will soon produce beautiful flowers, borne on long spikes. Very effective in beds or masses. Grows two feet high.

1107—Double Mixed. Tall. Pkt., 5c; oz., 40c.

1108—Blue. Tall. Pkt., 10c; oz., 40c.

1109—White. Tall. Pkt., 10c; oz., 40c.

1110—Pink. Tall. Pkt., 10c; oz., 40c.

## DELPHINIUM

(PERENNIAL LARKSPUR)

Hybrid Large Flowering. Single, semi-double and double in attractive shades of lavender, blue, and purple. The plants are tall growing and are most desirable as a background for lower growing flowers or for planting in clumps in the open border.

1111—Mixed. Pkt., 10c; ½ oz., \$1.00.

## LOBELIA

Charming little plants that bloom very quickly from seed, and continue gay with flowers all through the season.

1113—Royal Purple. Deep blue, with distinct white eye. Pkt., 10c; oz., 75c.

1114—Tall Mixed. Pkt., 10c; oz., 65c.

LOVE-LIES-BLEEDING. See Amaranthus.

## MARIGOLD

Old-fashioned annuals, rich and showy, blooming continually all Summer; excellent for bouquets and a beautiful garden plant. Tall African varieties are best for garden and cutting, while French and other sorts are especially adapted for edgings.

GIANT AFRICAN, DOUBLE

Three feet tall,

1115—Finest Mixed. Pkt., 5c; ¼ oz., 45c.

1116—Orange Prince. Pkt., 5c; ¼ oz., 45c.

FRENCH, DWARF DOUBLE

Eight inches tall.

1117—Finest Mixed. Pkt., 5c; ¼ oz., 45c.

MARVEL OF PERU. See Four O'Clocks.

MATRICARIA. See Feverfew.

## MAURANDIA

Half hardy perennial, a beautiful rapid climber. Blooms profusely until late in the Autumn and will flower the first season from seed if sown early indoors and transplanted to a warm spot in the open.

1118. Pkt., 20c.

## MIGNONETTE

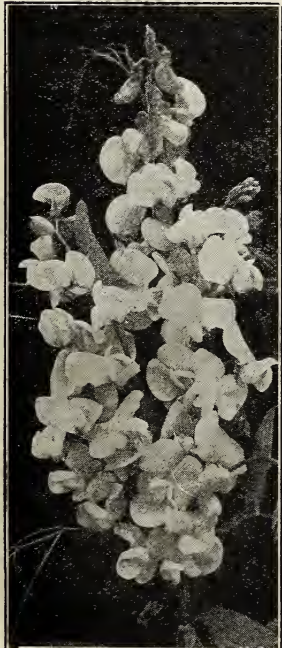
A well-known favorite annual in all gardens. Cultivated for its fragrant flowers, which come quickly. Set in compact spikes. Sow in early Spring.

1119—Reseda Odorata Grandiflora. This is the sweet scented border variety. Pkt., 5c; oz., 25c.

1120—Improved Machet. Flowers are very large, of reddish green color, very fragrant. Pkt., 5c; oz., 50c.



Gaillardias.



Everlasting Sweet Peas.





Ornamental Grasses.

- 1126—Blue Rochester. Heavenly blue. Pkt., 15c.  
1127—Clark's Blue. Large light blue flowers. Pkt., 15c.  
1128—Imperial Japanese. Mixed. Bears hundreds of various colored flowers. Vines are very vigorous, growing to a height of 10 to 12 feet. Pkt., 10c; oz., 25c.

## MOURNING BRIDE

(Scabiosa)

Well established garden favorites. They grow about 2 feet high and commence to bloom early in July, continuing until frost. The flowers are borne on long stems and last a long time when cut. Fine for beds or borders, growing two feet in height.

- 1129—Tall Double Mixed. Pkt., 5c; oz., 70c.  
1130—Dwarf Double Mixed. Pkt., 5c; oz., 70c.

MYOSOTIS. See Forget-Me-Not.

## NASTURTIUMS

If you have space for them, you cannot have too many Nasturtiums. Easy to grow in most any soil. Plant the seed anywhere. The tall kinds are especially suitable for covering fences, rockeries, trellises and the dwarf varieties especially adapted for borders. All Nasturtiums are very showy with their brilliant colored flowers and beautifully marked leaves. Prices, pkt., 5c; oz., 15c; ¼ lb., 45c; any six 5c packets, 25c, postpaid.

### TALL or CLIMBING VARIETIES

Besides their ordinary garden use for trailing over fences, trellis, stone walls, etc., these can be used for hanging baskets and for pot plants for winter flowering as screens.

- 1131—King Theodore. Dark red.  
1132—Helmemann. Chocolate.  
1133—Jupiter. Rich yellow large flowers.  
1134—Pearl. Cream white.  
1135—Von Moltke. Bluish rose.

1136—Variegated Leaved. Every leaf is variegated with yellow, white and green.

1137—Mixed. Contains all tall varieties. Any of the above, pkt., 5c; oz., 15c; ¼ lb., 45c.

### DWARF OR TOM THUMB VARIETIES

These have a neat, compact habit and attractive foliage, are not disturbed by insects, bloom in two months from sowing.

- 1138—King Theodore. Dark red flower and dark leaf.  
1139—Lady Bird. Rich yellow spotted scarlet.  
1140—Golden King. Golden yellow, dark leaved.

- 1141—Pearl. Cream white.  
1142—Empress of India. Dark scarlet flowers.

1143—Mixed. Contains all dwarf varieties. Any of the above, pkt., 5c; oz., 15c; ¼ lb., 45c.

## NEMESIA

Pretty annual; produces orchid-like flowers.  
1144—Large Flowering. Pkt., 15c.

## NICOTIANA - Flowering Tobacco

Species of tobacco. Valuable as decorative plants. Height, 3 feet. Sweet scented flowers.  
1145—Mixed. Pkt., 10c.

## NIGELLA - Love-in-a-Mist

An easy to grow annual. Flowers blue and white, foliage fine moss.  
1146—Mixed. Pkt., 5c; oz., 50c.

## MIMULUS

Half-hardy perennials blooming from seed the first season if sown early. Height, 8 inches.

- 1121—Tigrinus (Monkey Flower). Flowers large and spotted. Mixed. Pkt., 10c; oz., \$2.00.  
1122—Moschatus (Musk Plant). Small yellow flowers. Fine for hanging baskets; fragrant. Pkt., 15c.

## MORNING GLORY - Convolvulus

No climber is more popular than is the Morning Glory. For covering trellises or unsightly back fences they and climbing nasturtiums are most often planted. Morning Glories grow quickly to a vine 15 feet long and bear a great abundance of brilliant, funnel-shaped flowers, of various colors, blue predominating. Soak the seed for two hours in warm water to hasten germination; of easy culture.

- 1124—Major, Tall Mixed. Very rapid grower, attaining a height of 15 feet. Flowers are bell-shaped, of many bright colors. Pkt., 5c; oz., 15c.  
1125—Minor, Dwarf Mixed. Hardy bedding and border plant. Height, 1 foot. Pkt., 5c; oz., 25c.



Marigolds.



Morning Glory.

## MOONFLOWER

A beautiful summer climber, grows 20 to 40 ft. high, makes nice shade for porches and bears a profusion of large, trumpet-shaped flowers; richly scented.

- 1123—Finest quality. Pkt., 10c; ½ oz., 30c.

## ORNAMENTAL GRASSES

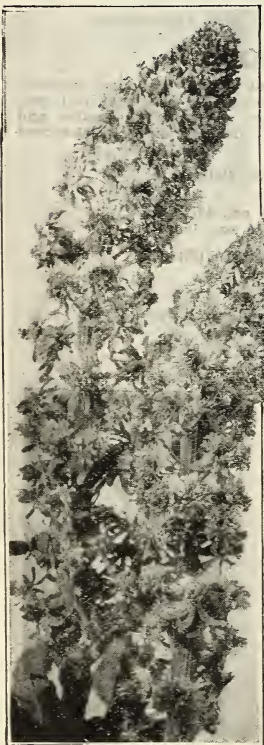
Very showy foliage; blooming during the Summer and Fall. Height, 2 feet.  
1147—Mixed. Pkt., 10c.

## OENOTHERA

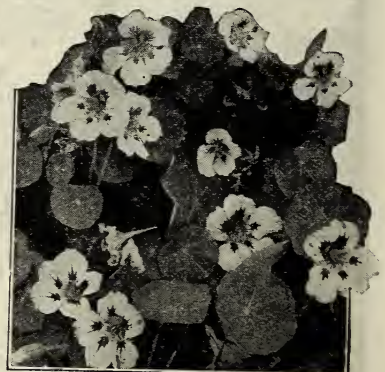
See Evening Primrose.

## PASSION FLOWER

Fast growing. Hardy perennial climber.  
1152—Mixed. Pkt., 10c.



Mignonette.



Nasturtiums.



**PANSIES**

This flower with its alluring little faces and beautiful markings of brilliant and blending colors, if given a chance, makes one of the most popular flowers we have and it is easily grown. Best adapted to partly moist and somewhat shaded places but for large blooms, rich soil is best. Seed sown in Spring will bloom in midsummer. For early Spring flowers, sow seed in August and protect plants in cold frames or straw during Winter.

**BRIGHT COLORS**

A good variety of excellent colors, but flowers are only medium size.

1148—Good Colors. Pkt., 5c;  $\frac{1}{4}$  oz., 35c; oz., \$1.00.

**GIANT TRIMARDEAU**

This is a French variety. Flowers are large size, of most beautiful and varied shades, usually marked with three large blotches. We recommend this variety where a wide range of color is desired.

1149—Mixed. Pkt., 10c;  $\frac{1}{4}$  oz., 50c; oz., \$1.50.

**MAMMOTH EXHIBITION**

This strain comprises a beautiful collection of colors and markings and is one of the finest mixtures both as regards size and color.

1150—Mixed. Pkt., 20c;  $\frac{1}{4}$  oz., 80c; oz., \$3.00.

**GOLD SEAL GIANTS**

This superb strain selected by a leading domestic grower, is the largest and best in cultivation. Not only are the flowers of gigantic size, but for brilliancy of color and markings they are unexcelled. We especially recommend this strain for florists and those who make a specialty of growing pansy plants for commercial trade.

1151—Mixed. Pkt., 25c;  $\frac{1}{4}$  oz., \$1.50; oz., \$5.00.

**PETUNIA**

There is no flower more highly prized for use in beds, massing, borders, window-boxes, baskets, and vases. Succeeds in almost any soil and produces very fragrant blooms the entire Summer. Sow thinly and do not cover seed to a depth of more than four times their size.

1153—Petunia, Hybrida White. Pkt., 10c;  $\frac{1}{4}$  oz., 30c.

1154—Petunia, Hybrida Scarlet. Pkt., 10c;  $\frac{1}{4}$  oz., 30c.

1155—Petunia, Hybrida Violet. Pkt., 10c;  $\frac{1}{4}$  oz., 30c.

1156—Petunia, Striped and Blotched. Pkt., 5c;  $\frac{1}{4}$  oz., 30c.

1157—Petunia, Hybrida. Finest mixed. Pkt., 5c; oz., 75c.

**GRANDIFLORA**

This is the finest Petunia grown. Flowers extra large, beautifully marked, double and fringed. If you appreciate fine Petunias, try these.

1158—Double Mixed. Pkt., 50c;  $\frac{1}{4}$  oz., \$15.00.

1159—Giant Fluffy Ruffles. Pkt., 40c.

1159 $\frac{1}{2}$ —Rosy Morn. A very compact dwarf type, soft pink, especially fine for window and porch boxes. Pkt., 15c;  $\frac{1}{4}$  oz., 40c.



Giant Trimardeau Pansies.

**PINKS, GARDEN - Dianthus**

This satisfactory old-fashioned flower blooms in profusion all Summer long. They are hardy and grow twelve to fifteen inches tall and bear marvelous brilliant and contrasting flowers, which are emphasized by stripes and dots.

1164—Chinese or Indian Pink. Blood red, double. Pkt., 5c; oz., 25c.

1165—Chinese or Indian Pink. Extra double, mixed. Pkt., 5c; oz., 25c.

1166—Chinese or Indian Pink. Single mixed. Pkt., 5c; oz., 25c.

**PORTULACA - Rose Moss**

This little annual is unexcelled for brilliancy among the flowers of low growth. Grows and blooms best in the hot sunlight, carpeting the ground with a mat of foliage, which in the afternoon is hidden with gayest of flowers. Sow seed in the open ground.

1173—Large Flowering Double Mixed. Pkt., 10c;  $\frac{1}{4}$  oz., 60c; oz., \$2.00.

1174—Large Flowering Single Mixed. Pkt., 5c; oz., 75c.

**PYRETHRUM**

Hardy perennial with daisy-like flowers of bright colors.

1175—Roseum (Insect Powder Plant). Single flowers of pink, rose, and white. Pkt., 10c.

1176—Golden Feather. Grows 6 inches, with rich yellow foliage. Pkt., 10c.

**RICINUS.** See Castor-Oil Bean.



Giant Fluffy Ruffles Petunias.

**PHLOX****DRUMMONDI (ANNUAL)**

Being one of the prettiest annuals, Phlox should occupy a prominent place in every garden. Of easy cultivation, and remarkable for profusion of bloom, which continues until frost. The rich and brilliant colors produce an elegant effect in beds or borders. Fine for cutting.

1160—All Varieties Drummond Mixed. Pkt., 10c;  $\frac{1}{2}$  oz., 40c.

1161—Fringed and Star Shaped Mixed. Pkt., 10c;  $\frac{1}{2}$  oz., 40c.

1162—Splendens. Brilliant scarlet, white eye. Pkt., 10c;  $\frac{1}{2}$  oz., 40c.

**PERENNIAL PHLOX**

Individual flowers similar to the annual variety, but borne in clusters of 30 to 40 flowers on a tall stiff stem 2 to 4 feet high.

1163—Mixed. Pkt., 10c.



Mourning Bride—Scabiosa.



Mammoth Exhibition Pansies.





Salvia—Scarlet Sage.

- 1171—Oriental. Enormous flowers; deep flashing scarlet; hardy perennial, growing 3 feet in height. Pkt., 10c; ½ oz., 50c.

ICELAND POPPY (Nudicaule)

- This is the new Iceland Poppy, gracefully brilliant, excellent for cutting. Plant is low and compact. 1172—Finest Mixed. Pkt., 10c; ½ oz., 40c.

ROSE OF HEAVEN - Agrostemma

- A hardy free blooming annual with flowers of bright rose. Two feet. 1177. Pkt., 5c; oz., 30c.

SALVIA - Scarlet Sage

- A tender perennial blooming the first year from seed. Well known bedding plants with long, flaming flower spikes, displayed with striking effect against the deep green foliage. 1½ to 3 feet.

- 1178—Splendens. Height, 3 feet. Pkt., 10c; ¼ oz., 50c; oz., \$1.50.  
1179—Bonfire. Compact bush, growing 2 feet. Pkt., 10c; ¼ oz., 50c; oz., \$1.50.  
1180—Coccinea. Small scarlet flowers. Pkt., 5c; ½ oz., 20c.

SALPIGLOSSIS - Velvet Flower

- Half hardy annual; grows 14 inches high. Flowers showy, large, funnel-shaped, mottled, veined and self-colored. Requires rich soil. 1181—Mixed. Pkt., 10c; ½ oz., 50c.

SCARLET FLAX - Linum

- 1182—Grandiflora. A very attractive annual, growing 8 to 12 inches high. The rich, crimson flowers last but a day but they bloom continuously until frost. They like a warm sunny location. Pkt., 5c; oz., 40c.



Shirley Poppies.

POPPY - Papaver

ANNUAL VARIETIES

This is a quick, easily grown flower, ranging in color from pure white to darkest crimson and violet. Plant in the open and thin to 8 inches apart. They will not transplant.

- 1167—Flanders Field. The famous poppy of Flanders Fields. Single annual of blood red color. Pkt., 10c; oz., 30c.  
1168—Shirley. Beautifully crimped petals; wonderful shades of blue, lavender, salmon, etc. Pkt., 5c; oz., 30c.  
1169—Carnation Flowered Double Mixed. Very double fringed; colors dazzling. Pkt., 5c; oz., 30c.  
1170—Peony Flowered Double Mixed. Immense double, globular flowers. Pkt., 10c; oz., 30c.

PERENNIAL VARIETIES

While these are perennials, they usually bloom the first year.



Chinese Pinks.

SAND VERBENA (Abronia)

Very pretty, trailing plants; numerous clusters of sweet scented flowers. Rosy lilac, with white eye.

1183. Pkt., 5c.

SCABIOSA

See Mourning Bride.

SCARLET RUNNER BEAN

Ornamental climber, with bright scarlet blooms. Excellent for porches or trellis.

1184. Pkt., 5c; ¼ lb., 15c.

SENSITIVE PLANT

The leaves instantly fold up when touched; elegant foliage, height 1½ feet.

1185. Pkt., 10c.

SMILAX

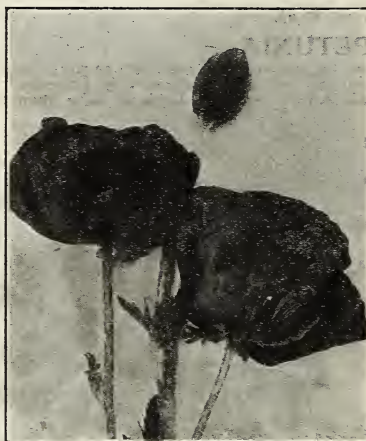
A perennial climber with deep, glossy green leaves.

1186. Pkt., 10c.

STATICE

An easily grown everlasting annual. They prefer a sunny situation. Very satisfactory for winter bouquets after being dried.

- 1196—Best Mixed. Pkt., 10c; ½ oz., 25c.



Oriental Poppies.

SNAPDRAGON - Antirrhinum

The Snapdragon is one of our finest perennials, flowering the first year from seed. Its bright-colored, curiously-formed flowers always excite interest. Height, 2 ft.

- 1187—Finest Tall Mixed. Pkt., 5c; oz., 75c.  
1188—Finest Dwarf Mixed. Pkt., 5c; oz., 75c.  
1189—White, Tall. Pkt., 5c; oz., 75c.  
1190—Scarlet, Tall. Pkt., 5c; oz., 75c.  
1191—Bright Rose, Tall. Pkt., 5c; oz., 75c.  
1192—Golden Orange, Tall. Pkt., 5c; oz., 75c.  
1193—Yellow, Tall. Pkt., 5c; oz., 75c.  
1194—Purple, Tall. Pkt., 5c; oz., 75c.

SNOW-ON-THE-MOUNTAIN

A very showy plant; makes a beautiful combination with other flowers.

1195. Pkt., 10c; oz., 25c.

STOCKS

Are used for bedding, borders, pot culture or bouquets. To secure early flowers, start seed in window-boxes or under glass in March or April, and transplant to the open ground in the middle of May. 1½ to 2 feet.

- 1197—Ten Weeks. Finest single mixed. Pkt., 5c; oz., \$1.00.  
1198—Ten Weeks German. Finest double mixed, dwarf. Pkt., 10c; oz., \$1.25.

STRAWFLOWER

See Acroclinium, Globe Amaranth, Helichrysum, Statice, Xeranthemum. Pkt. each of the above, 20c, postpaid.



Snapdragon.



**SUNFLOWER - Helianthus**

These are hardy annuals of easy culture. Grown in clumps or borders they are extremely showy.

1199—Double Chrysanthemum Flowered. Large, intensely double, bright yellow flowers. Pkt., 5c; oz., 40c.

1200—Red Sunflower. Many beautiful shades of red. Pkt., 10c; oz., 50c.

1201—Russian Mammoth. Single heads measure 12 to 20 inches in diameter and often bear an immense quantity of seed, used as feed for fowls. Pkt., 5c; ½ lb., 15c; 1 lb., 25c.

**SWEET WILLIAM**

A splendid old-fashioned flower, producing large heads of beautifully-colored, sweet-scented flowers in abundance. Hardy, easily grown, flowering the second year from seed. 1½ feet high.

1202—Single Mixed. Pkt., 5c; oz., 50c.

1203—Double Mixed. Pkt., 5c; oz., 75c.

**SWEET ROCKET - Hesperis**

The plants grow 2 feet high and bear showy flowers of white and purple. Hardy perennial.

1204—White, Purple or Mixed. Pkt., 5c; oz., 25c.

**VERBENA**

Verbenas.

In rich soil, single plants of this pretty annual creeper will carpet a space 3 to 4 feet in diameter. For beds, borders, mounds, window-boxes, etc., it is particularly fine and is frequently used as an undergrowth for tall plants, like lilies.

1205—Hybrida. Mixed. Pkt., 5c; oz., \$1.00.

1206—Hybrida White. Pkt., 10c; oz., \$1.25.

1207—Hybrida Blue. Pkt., 10c; oz., \$1.25.

1208—Hybrida Pink. Pkt., 10c; oz., \$1.25.

1209—Hybrida Scarlet. Pkt., 10c; oz., \$1.25.

1210—Hybrida Yellow. Pkt., 10c; oz., \$1.25.

1211—Hybrida, Gigantea (Giant Flowered). Enormously large, with brilliant white eyes,

very striking. A splendid mixture of rich colors, with a large percentage of red. Pkt.,

10c; oz., \$1.50.

**VIOLET**

Hardy perennial, blooming freely throughout the Summer and Autumn; of easy culture and seed may be sown out-of-doors, where the plants are to remain. The violet is the emblem of modesty.

1212—The Czar. Blue. Pkt., 10c.

**VINE MIXTURE**

This mixture contains over ten different varieties of vine seed, and where heavy foliage or vines are wanted, nothing better could be had than this mixture.

1213. Pkt., 10c; oz., 50c.

**WALLFLOWER**

Favorite sweet-scented flower of fine color; useful as spring bedding, flowering the first season from seed.

1214—Single Finest Mixed. Pkt., 5c; oz., \$1.00.

1215—Double Finest Mixed. Pkt., 10c; oz., \$2.25.

**WILD CUCUMBER**

A very rapid climber covering trellises, fences, porches, in less time than any annual.

1216. Pkt., 5c; oz., 20c.

**WILD FLOWER GARDEN MIXTURE**

This is a well balanced mixture of best annuals, calculated to make a striking display. Excellent to meet the demand for odd corner mixtures.

1217—Best Mixture. Pkt., 5c; oz., 20c.

**XERANTHEMUM**

A popular flower of the immortelle class blooming freely in common soil. Plant is of very compact habit.

1218—Double Mixed. Pkt., 5c; ½ oz., 25c.

**ZINNIAS - Youth and Old Age**

Few flowers are so easily grown; they require but little attention from the time the seed is sown in April or May. They bloom abundantly and continuously throughout the entire season. We especially call attention to our Dahlia Flowered and Giant Double Zinnias.

**GIANT DAHLIA FLOWERED**

This new type of zinnias far surpasses any that has been offered to the public in past years. The flowers are unusually large, resembling closely many of the Dahlia blossoms, and are often 5 to 6 inches in diameter. They come in a wide range of colors, with stout stems. Plants are sturdy and grow to be about 3 feet high and bloom continuously.

1219—Exquisite. Light rose. 1222—Scarlet Flame. Bright scarlet.

1220—Golden State. Orange. 1223—Purple Prince. Purple.

1221—Crimson Monarch. Red. 1224—Polar Bear. Pure white.

1225—Canary Bird. Primrose.

Pkt., 25c each or 1 pkt. each of the 7 named varieties for \$1.40.

1226—Mixed Colors. Pkt., 20c; ½ oz., \$1.00.

**GIANT DOUBLE FLOWERING**

These improved Zinnias are one of the most brilliant, showy and satisfactory of all annuals. The strain we offer is exceptionally fine as it has been produced by careful selection. It is a very easily grown annual; producing brilliant showy flowers, often measuring 4 inches in diameter.

1227—Crimson. 1229—Golden Yellow. 1231—White. 1233—Mixed.

1228—Flesh Pink. 1230—Purple. 1232—Scarlet.

Any of the above, pkt., 10c; ¼ oz., 40c; oz., \$1.25. Any 6 packages, 50c, postpaid.

**ZINNIA ELEGANS**

Small flowers. A very good mixture of the small flowering varieties. Very satisfactory for house decorations.

1234—Double Mixed. Pkt., 5c; oz., 50c.

1235—Single Mixed. Pkt., 5c; oz., 50c.



Stocks.



Zinnias are Splendid in Bouquets.



Giant Double Flowering Zinnias.



## Sweet Peas

**CULTURE.** A deep rich moist soil is best suited for the growth of sweet peas. The ground should be worked or dug to a depth of six inches to one foot and mixed with bone meal or well rotted stable manure, leaving a hollow three inches deep for the seedbed. Sweet Peas should not be grown on the same soil longer than three successive years. If the location cannot be changed, the soil to a depth and width of a foot or more should be removed and replaced with soil from another part of the garden or grounds. Sow early, covering about one inch deep. Spring sowing should be made just as soon as the ground can be prepared. After the plants are two inches high, cultivate as they grow and a slight sprinkling of Flora Fertilizer worked into the soil will be a great benefit. When the plants are about 5 inches high some support should be furnished, such as brush, strings, wire netting, etc. One ounce of seed will plant 10 feet of drill.

### Spencer or Orchid Flowering Varieties

**TRUE SPENCER SWEET PEAS (Orchid Varieties).** Many people believe that the Spencers are nothing more than large flowering varieties and selected from the common strains of sweet peas. But this is not true, for Spencer Sweet Peas are of a different and grander type; the color, curves, aroma and gigantic size attained through Spencer strains could never be found in the common grades. You will note from description that we have selected only the very best types of separate colors, those that we know will give satisfaction. Our Mixed Spencers contain all the standard varieties, including our selection of straight colors.

There are hundreds of varieties of sweet peas, and yet there is but a slight difference in many of the sorts and it is almost impossible for growers of sweet peas to decide and select the best varieties, so this year we are listing only the finest and best varieties of each class. For instance, there are many varieties of scarlet, but we list Hawlmart Scarlet, which has proven the best the world over.

#### PRICES OF NAMED VARIETIES

Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 65c; lb., \$2.25, postpaid.

#### BLUE

- 1501—Colne Valley. Light blue.
- 1502—Mrs. Tom Jones. Bright delphinium blue.
- 1503—Commander Godsall. Violet-blue.

#### CARMINE

- 1504—Doreen. Carmine-rose.

#### CERISE

- 1505—Royal Salute. Rich fiery cerise.
- 1506—Hawlmart Cerise. Rose-cerise.

#### CREAM

- 1507—Dobbie's Cream. Deep primrose.
- 1508—Matchless. Cream.

#### PINK

- 1509—Hercules. Mammoth rosy pink.
- 1510—Hawlmart Pink. Heavy blooming pink.
- 1511—Elfrida Pearson. Large blush pink.

#### CREAM PINK

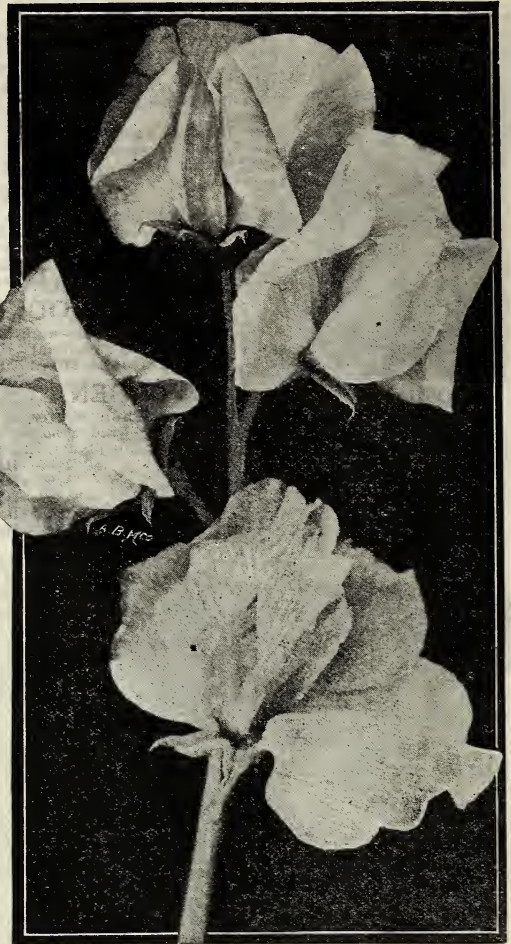
- 1512—Picture. Rose cream-pink.

#### CRIMSON

- 1513—Crimson King. Rich deep crimson.
- 1514—King Edward. Crimson self.

#### LAVENDER

- 1515—Austin Frederick, Imp. Giant lavender.
- 1516—Wembley. Delicate silver-lavender.
- 1517—R. F. Felton. Rosy lavender.
- 1518—Hawlmart Lavender. Pure pale lavender.
- 1519—Gladys. Lilac-lavender.



Enchantress Sweet Peas.

#### PURPLE

- 1520—Royal Purple. Large flower, color royal purple.

#### ROSE

- 1521—Rosabelle. Large light rose.

#### SALMON

- 1522—Barbara. Fine salmon.
- 1523—Stirling Stent. Salmon-orange.

#### SCARLET

- 1524—Hawlmart Scarlet. True scarlet.

#### WHITE

- 1525—Edna May, Imp. Large white waved.

#### MAROON

- 1526—Sultan. Dark maroon.
- 1527—Warrior. Deep maroon.

#### ORANGE

- 1528—Tangerine Imp. Glowing orange.
- 1529—George Sawyer. Giant orange-salmon.
- 1530—The President. Orange-scarlet.

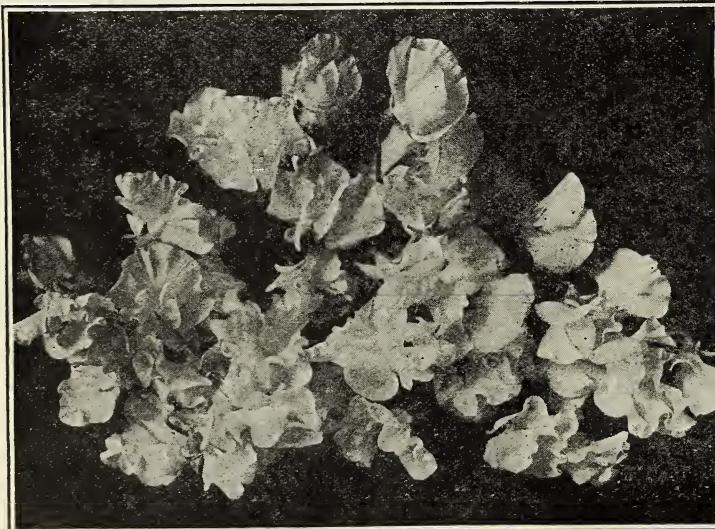
#### PICOTEE

- 1531—Youth. Large white-pink picotee.

### Spencer Mixed

The distinguished characteristics of the new Spencer Sweet Peas are the splendid form and gigantic flowers, which are waved and fluted, which often measure two inches across. The stems are very long and strong, and often bear four blossoms, which remain in bloom much longer than other sweet peas. This mixture includes all the Spencers we describe above, besides many other varieties to make a well balanced array of color and beauty. As sweet peas are one of our specialties, we aim to surpass all others in our sweet peas and we give our mixtures our special attention.

- 1535—Spencer Mixed. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 50c; 1 lb., \$1.75, postpaid.



Spencer Type Sweet Peas.



**SWEET PEAS—Continued.****California Giant Sweet Peas**

While the California Giant Sweet Peas are not as waved as the Spencers, yet they are very beautiful and produce an abundance of flowers of a large array of colors. They are a little easier to grow than the Spencer varieties. Culture is the same as the Spencer. All varieties of sweet peas do best in new soil.

**PRICES OF NAMED VARIETIES**

Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25, postpaid.

- 1636—Dorothy Eckford. One of the best of all white sorts.  
 1637—Hon. Mrs. Kenyon. The best yellow to date.  
 1638—Prima Donna. Pure pink, large flower.  
 1639—Prince of Wales—Rose crimson.  
 1640—Lady Grisel Hamilton. Best lavender, giant flowered.  
 1641—Black Knight. Deep maroon.  
 1642—King Edward. Bright red. Large flowers.  
 1643—Captain of the Blues. Purplish mauve.  
 1644—Navy Blue. Brilliant blue.  
 1645—America. The brightest blood red, striped white.  
 1646—Miss Wilmot. Orange pink, wings rose.

Any seven 5c packages of the above California Giants, 25c.

- 1647—Gold Seal Mixture. Every color of the rainbow. An almost unlimited variety of shades, tones and combinations of colors. The best and most desirable mixture possible to make, including the large flowering sorts and many magnificent Spencers. It is made up regardless of expense. This mixture was especially made to give satisfaction.  
 Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.

- 1648—Striped Varieties, Mixed. A beautiful mixture made up exclusively of striped, mottled, and flaked varieties. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.25, postpaid.

- 1649—Solid Color Mixture. This mixture consists of the most beautiful varieties of solid colors for many of our patrons do not care for the striped or variegated varieties, but prefer a mixture containing such colors as red, scarlet, violet, blue, purple, white, pink, lavender, maroon, etc. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50, postpaid.

**Spencer Sweet Pea Collections****"GREAT SIXTEEN" COLLECTION, POSTPAID, \$1.00**

Regular Price, \$1.60

One pkt. each of the 16 different varieties named below

Colne Valley	Austin Frederick	Hawlmak Scarlet
Doreen	Hercules	Edna May
Royal Salute	Royal Purple	Sultan
Dobbie's Cream	Rosabelle	Tangerine
Picture	Barbara	Youth
Crimson King		

**"GREAT FOUR" COLLECTION, POSTPAID, 30 CENTS**

Rosabelle	Asta Ohn
King Edward Spencer	Wembley

**"GREAT SEVEN" COLLECTION, POSTPAID, 50 CENTS**

Regular Price, 70c

Edna May	Royal Purple	Hawlmak Pink
R. F. Felton	King Edward	Dobbie's Cream
	Stirling Stent	



California  
Giant  
Sweet Peas.

For Everlasting Sweet Peas,  
see page 46.

**Herbs**

**ANISE.** An annual, cultivated principally for the seeds, which have a fragrant smell and pleasant taste. Used for medicinal purposes; leaves used for garnishing and flavoring. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.25.

**BASIL, SWEET.** A hardy annual from the East Indies. Seeds and stems have a flavor similar to cloves and are used for flavoring soups. Pkt., 5c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

**BORAGE.** Leaves used for flavoring, and flowers furnish bee pasturage; most easily grown in any waste place. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

**CARAWAY.** Cultivated for its seed, which is used in confectionery, cakes, etc. Leaves are sometimes used in soups. If sown in August plants will give a fair crop the next season, but when sown in the Spring will not generally seed until the next year. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

**CATNIP.** Leaves and young shoots used for flavoring. Pkt., 5c; oz., 35c.

**CORIANDER.** A hardy annual, cultivated for its seed, which has an agreeable taste and is used in confectionery and to disguise the taste of medicine. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c.

**DILL.** An annual, cultivated for its seed, which is aromatic and has a warm pungent taste. Its seeds are used for seasoning. It possesses medicinal values but its largest use is for seasoning in dill pickles. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

**LAVENDER.** An aromatic and useful medicinal herb. Pkt., 10c; oz., 30c; ¼ lb., 85c; 1 lb., \$3.00.

**SWEET FENNEL.** A hardy perennial; leaves used in soups, fish, sauces, garnishes, and salads. Pkt., 5c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

**HOREHOUND.** A perennial herb with a strong aromatic smell; bitter pungent taste. Used as a tonic and enters into the composition of cough syrups. Does fine in poor soils. Pkt., 5c; oz., 35c; ¼ lb., \$1.10.

**ROSEMARY.** The leaves are aromatic and used for medicinal purposes only. Pkt., 10c; oz., 45c; ¼ lb., \$1.35.

**SAVORY, SUMMER.** A hardy annual; when dried, stems, leaves and flowers are extensively used for soups and dressings. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

**SAFFRON** (*Carthamus tinctorius*). Used in medicine and also in dye. Pkt., 10c; ½ oz., 25c.

**THYME.** A perennial used both medicinally and as a culinary plant. The young leaves and tops are used for soups, dressings, and sauces. A tea made of the leaves sometimes relieves nervous headaches. Pkt., 10c; oz., 30c; ¼ lb., 85c; 1 lb., \$3.00.

**SWEET MARJORAM.** A perennial plant but not hardy enough to stand the northern winters. Young tender tops are used for flavoring and may be cut and dried for winter use. Pkt., 10c; oz., 30c; ¼ lb., 85c; 1 lb., \$3.00.

**SAGE.** A hardy perennial, possessing some medicinal properties, cultivated principally as a condiment, being used more extensively than any other herb for flavoring and in dressing. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; 1 lb., \$3.50.

**SORREL.** Broad leaved perennial, used in soups and salads and sometimes cooked like spinach. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.

**WORMWOOD.** Leaves used as a tonic. A dry poor soil is best for this plant. Pkt., 5c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.



# Flowers for Different Purposes All Are Easily Grown from Seed

## SUNNY SPOTS

Abronia  
Amaranthus  
Balsam  
Clarkia  
Cosmos  
Dahlia  
Lace Flower  
Mignonette  
Petunia

Phlox  
Portulaca  
Salpiglossis  
\*Sweet William  
Zinnia

Collection, 14 pkts.,  
90c.



Sunny Spots.

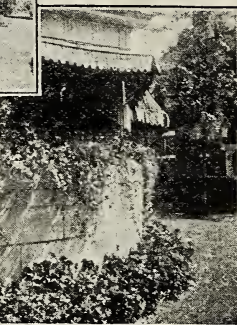
## DAMP SPOTS

\*Delphinium  
\*Heliotrope  
\*Lobelia  
\*Myosotis  
\*Pansy  
\*Snapdragon  
Stocks  
\*Wallflower

Collection, 8 pkts.,  
55c.



Damp Spots.



Porch Boxes.

## PORCH BOXES and HANGING BASKETS

Abronia  
Alyssum

Browallia  
Ice Plant

Lobelia  
Petunia

Verbena

Collection, 7 pkts., 35c.

## CLIMBERS

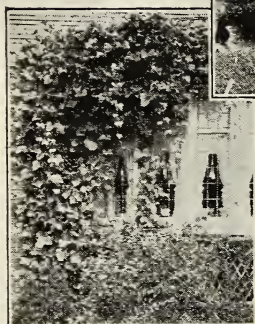
Balloon Vine  
Humulus

Cobaea  
Ipomoea

Cypress Vine  
\*Kudzu Vine

Dolichos  
\*Lathyrus

Morning Glory  
Collection, 9 pkts., 60c.



Annual Vines.

Try Gold Seal Seeds in Your  
Favorite Garden Spot.

## FRAGRANT AND CUT FLOWERS

African Daisy  
\*Agrostemma  
\*Aquilegia  
Asters  
Calliopsis  
Carnation  
Centaurea  
Chrysanthemum  
Cosmos  
Dianthus

Eschscholtzia  
Everlastings  
Gaillardia  
Gypsophila  
Heliotrope  
Lace Flower  
Marigold  
Mignonette  
Nasturtium  
Pansy

Petunia  
Poppy  
\*Pyrethrum  
Salpiglossis  
Scabiosa  
Stocks  
Sweet Peas  
\*Sweet Rocket  
Zinnia

Collection: Selection of 1 pkt. each of 12 of above varieties for 90c,  
or the 29 pkts. listed, \$1.75.

The varieties marked with an asterisk (\*) are best treated as  
perennials.

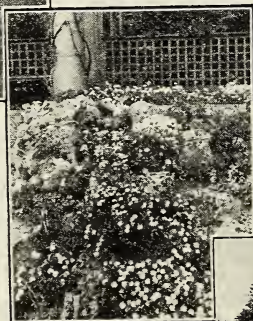


Backgrounds.

## ROCK GARDENS

Abronia  
Alyssum  
Candytuft  
Ice Plant  
Portulaca  
Verbena

Collection, 6 pkts.,  
25c.



Rock Garden.

## MASSED COLORS

Ageratum  
Candytuft  
Celosia  
Helichrysum  
Nasturtium

Phlox  
Poppy  
Portulaca  
Salvia  
\*Sweet William

Collection, 11 pkts., 60c.



Massed Colors.

## Backgrounds

Cosmos  
\*Delphinium  
\*Digitalis  
Hollyhock

Collection, 4 pkts.,  
25c.



Shaded Corners.

## EDGINGS

Alyssum  
Candytuft  
Dusty Miller  
Lobelia  
Marigold, Fr.

Nasturtium  
Pansy  
Petunia  
Phlox  
Portulaca

Above Collection, 50c; bought separately  
costs 75c.

No Disappointments in  
Gold Seal Seeds.



Edging.

## SHADED CORNERS

\*Aquilegia  
\*Bellis  
Clarkia  
\*Mimulus  
\*Myosotis  
\*Pansy

Collection, 6 pkts.,  
75c.



# Nursery Stock for the West

Fruit and Shade Trees, Berries, Small Fruits, Roses, Plants and Roots

Our Stock is State Inspected and is Free From Disease

## Suggestions to Planters

We have a good supply of carefully grown nursery stock; fruit and shade trees, roses, shrubbery, plants, etc., and we believe our prices are sufficiently low to be attractive. However, it is the **quality** and not the prices that we wish to call your attention to. Our stock is all number one and includes all the varieties which are popular and that do well in our western climate. We, therefore, feel confident that your requirements will be taken care of to your entire satisfaction. You may be able to buy at a lower price, but not of the same quality. Remember, a low grade tree does not have the vitality to show a prolific growth and is always a rather poor tree throughout its life. Therefore, it is a very poor investment.

Success depends in a large measure on the treatment given to stock after it is received by the planter. Thousands of well grown, healthy specimens delivered in first-class condition, are annually lost through neglect and bad treatment. The natural place for roots of trees is in the ground; preparation for their arrival should be made, everything should be ready and the trees or shrubs planted as soon as possible. As soon as you receive your nursery stock, remove the packing, sprinkle the roots and heel in the bundle in moist ground, covering entirely about 4 to 6 inches. In planting take up only a

few trees or shrubs at a time and never allow them to lay exposed to the air and sun at any time. Remove all broken roots with a sharp knife and cut back the tops about one-half of last season's growth. Dig the hole large enough to admit all the roots in the natural position, keeping the surface soil and the sub-soil separate. In filling in sift the best soil in around the roots. When most of the soil is filled in, pour in the water to wash the soil around the roots, then pile up the remainder and tread down gently with the foot. After this the tree or shrub should only be watered when the soil gets dry about two or three inches below the surface. A mulch around the base of the tree, two or three inches thick, is very beneficial.

## Prices

Our prices on nursery stock include packing and drayage to freight or express depot, but not prepay charges. The purchaser is to pay the freight or express charges unless arrangement has been made with us before goods are shipped. Mail us your list and we will make you a special delivered price.

Upon special request we will ship fruit trees by mail but they must be cut down to comply with postoffice rules and buyer must assume risk of safe delivery.

## APPLES

We are listing only the varieties that have proven a success in the West, and we know that with the proper care and attention that is due to any tree, a crop of fruit will result from any one of the many we have listed.

Prices, on all varieties of apples and crab apples: First grade 11-16" and up in diameter, 5-7' high, each, 80c; in lots of five to ten, assorted varieties if desired, each, 75c. Larger amounts, assorted varieties if desired, each, 60c.

## Summer Apples

**EARLY HARVEST.** Medium to large; pale yellow, white fleshed, tender and sub-acid; ripens early during the Summer; very productive.

**YELLOW TRANSPARENT.** Early to ripen; pale yellow when full ripe, of medium size, tender and good; free-growing and fruitful. Its early fruit is always welcomed.

Duchess Apple.

## Autumn Apples

**MAIDEN BLUSH.** Medium size, round, flushed with red on creamy yellow; very handsome; tender flesh.

**WEALTHY.** The most popular early variety known; heavy producer, of medium size, red apples. One of the finest early eating or cooking varieties; everyone should plant Wealthy apples.

**DUCHESS OF OLDENBURG.** A large sized apple of yellow color, streaked red. Very juicy and a heavy yielder. Ripens in September. One of the best for Colorado.

## Winter Apples

**DELICIOUS.** A most wonderful apple of unusually fine flavor; originated in our western country. The fruit is large, of a brilliant, dark red color; juicy, crisp, and melting. Heavy cropper.

**GRIMES' GOLDEN.** Medium sized, beautiful golden color; does well in the West; splendid keeper.

**JONATHAN.** The old standby—heavy producer, brilliant red, sweet and juicy; excellent keeper.

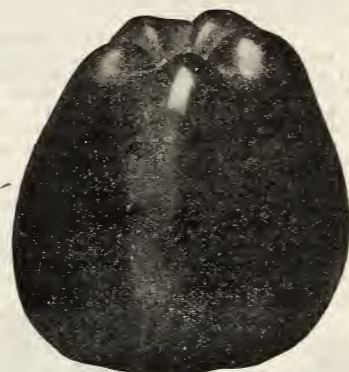
**MAMMOTH BLACK TWIG.** A large, dark red apple; fine eating and cooking; good keeper.

**NORTHWESTERN GREENING.** Very late to ripen, but keeps solid a long time, rich golden color; very productive.

**ROME BEAUTY.** Extra large and handsome, yellow, with crimson cheek; juicy and bears heavy.

**STAYMAN'S WINESAP.** Larger and more prolific than the old Winesap. Rich dark red; firm, fine grained and juicy. Adapted to a wide range of soils and climates.

**NORTHERN SPY.** Vigorous growth; large, striped red, tender, juicy, mild, sub-acid; very good. A fine dessert fruit. Keeps through Winter and late into the Spring.



Delicious Apple.

## Crab Apples

**HYSLOP.** Large size, beautiful dark crimson, hangs in clusters. Fine for preserving. Very well known.

**RED SIBERIAN.** Large strong grower, pale red-yellow; good quality. Tree large, with coarse foliage; young bearer. Fruit about 1 inch in diameter.

**WHITNEY (Golden Beauty).** One of the largest; yellow striped with red; excellent for cider and cooking.

**FLORENCE.** Originated in Minnesota. Fruit of medium size, color carmine, flesh yellowish, fine, acid, excellent for cooking and for jelly. Early bearer.

## PEARS

Prices on all varieties of pears: First grade, 11-16" and up in diameter, 5-7' high; each, \$1.00; in lots five to ten, each, 90c.

**BARTLETT.** Large, buttery, juicy, high flavored; bears early and abundantly.

**FLEMISH BEAUTY.** Large, red cheeked and beautiful, of excellent quality, hardy, and productive. Very popular in the West. Ripens September and October.

**KIEFFER.** Its large size, handsome appearance and remarkable keeping qualities makes it very desirable. Ripens October and November.

## DWARF

First grade, 5-8" and up, \$1.00 each.

**BARTLETT.** Same as the standard variety

**DUCHESS.** Flesh white with rich buttery flavor, very large.



Bartlett Pears.





Lombard Plums.

## PLUMS

The plum may not be so important as some other fruits, but it is gaining more in popularity every year and has been planted extensively the last few years. As it is a native fruit it grows easily and is a great bearer and should have a place in every orchard and fruit garden. Our list is confined to the American varieties, with the exception of one, because they are better adapted to our locality.

### PRICES ON ALL VARIETIES OF PLUMS

First grade, 11-16" and up in diameter, 5-7' high; each, \$1.25; in lots of five to ten, assorted varieties if desired, each, \$1.10; larger amounts, assorted varieties if desired, each, \$1.00.

**LOMBARD.** Medium to large; dark red, flesh yellow; of pleasant flavor, very prolific and does well in this locality.

**MOORE'S ARCTIC.** Small, purplish black, juicy, sweet, immense bearer. One of the hardiest in bud and bloom.

**OMAHA.** Medium size, dark red, of good quality; very hardy and heavy bearer under all conditions and ripens early. One of the most popular plums.

**OPATA.** A cross between Dakota Sand Cherry and the Japanese Gold Plum. A good grower, early and very productive; fruit dark purplish red color, with green flesh of a very pleasant flavor.

**HANSKA.** This is a cross between the Native Plum and the fragrant apricot of China. It is hardy and a strong grower; fruit of bright red color, with heavy blue bloom. Flesh is firm, yellow, of good quality and very fragrant.

**WANETA.** This wonderful large plum of Professor Hansen's production is the most delicious of all plums. It is hardy and very prolific; fruit of largest size, deep red color and a delicious flavor.

**GREEN GAGE.** Large, round ovate; green, marked with red in the sun; hangs long on the tree. Ripens in September.

**WILD GOOSE.** Well known, large deep red when ripe, of good quality. One of the best native plums.

## CHERRIES

More satisfaction can be had from cherry trees than any other trees. They are a beautiful sight from blossom to fruit and very seldom fail to produce; every farm, garden or ranch should have cherries. They do not demand much attention.

### PRICES ON ALL VARIETIES OF CHERRIES

First grade, 11-16" and up in diameter, 5-7' high, each, \$1.25; in lots of five or ten, assorted varieties if desired, each, \$1.15. Larger amounts, assorted varieties if desired, each, \$1.00.

**EARLY RICHMOND (Pie Cherry).** A reliable old standard, with dark red fruit of medium size, very productive.

**ENGLISH MORELLO.** Large; dark red, nearly black; tender, juicy and rich. Tree is dwarf-midseason.

**LARGE MONTMORENCY.** Larger and finer than the Richmond and one of the finest flavored cherries in this class; valuable for canning and preserving.

**OSTHEIMER.** A perfectly hardy, late blooming, immensely productive variety. Large, heart-shaped, nearly black when ripe; juicy and rich.

**WRAGG.** Very hardy, vigorous and productive, medium dark purple, fine quality. Usually sure cropper.



Large Montmorency Cherries.

**COMPASS CHERRY.** This fruit is a cross between the Sand Cherry and Miner Plum and looks more like a cherry than a plum. It is absolutely hardy everywhere. Fruit is one inch in diameter, of bright red color and of good flavor, very fine for preserves. An early bearer, often bearing fruit the next year after planting. Every back yard should have at least one or two trees.



Perfection Currants.

## CURRANTS

The currant is an indispensable garden fruit for the table and is a money maker, as well. It grows and bears easily in any kind of soil with very little care, but if properly cared for it will bring greater returns in money.

Prices, two-year-old plants, each, 25c; 5 for \$1.00; 10 for \$1.90; 100 for \$17.00. If by parcel post, add 2c per plant.

**CHERRY.** Very large berries on short clusters; a robust, fruitful sort.

**LONDON MARKET.** Bush vigorous, upright, with perfect foliage. Fruit is large in berries and clusters, dark red and an enormous cropper. Fine for market and table use.

**PERFECTION.** A cross between Fay and White Grape, retaining the valuable characteristics of both. Beautiful bright red, larger than Fay, holding its size to end of bunch; easy to pick; a superior bearer, less acid and of better quality than any other large currant in cultivation.

**WILDER.** One of the strongest and most productive. Bunch and berries very large, attractive bright red color, and even when dead ripe they hang on bushes in fine condition for handling until very late. A valuable market variety.

**WHITE GRAPE.** Very large, yellowish white. Fruit excellent quality and valuable for the table.

## GOOSEBERRIES

The gooseberry differs little from the currant in its requirements as to soil and general care. The plant is hardy; a vigorous grower, and free from mildew in our climate. The fruit is used extensively for cooking and canning as one of the popular berries for pies and jelly.

Prices, each, 25c; per 10, \$2.00; per 100, \$17.50, not postpaid. If by parcel post, add 2c per plant.

**DOWNING.** A large and handsome pale green berry of splendid quality for dessert or cooking. The bush is robust and seldom mildews. An excellent sort for family use and quite profitable for the market.

**HOUGHTON.** An enormously productive and always reliable old sort; of vigorous yet rather slender, spreading growth, not subject to mildew. Fruits of medium size, smooth, pale red; tender and good.

**JOSSELYN.** Large size, smooth, prolific, hardy and best quality. Least susceptible to mildew, both leaves and fruit, of them all. A wonderful cropper.

**OREGON CHAMPION.** Berries large, brownish red color, very sweet and fine for table use and pies. Bush a strong grower, healthy, and a very prolific bearer. Fine for market.



Downing Gooseberries.





## BLACKBERRY PLANTS

Raspberries and blackberries are very profitable fruits for the home and market. They are of delicious flavor and can be used for the table in many ways.

Prices, each, 10c; per 10, 60c; per 100, \$4.00, not postpaid. If by parcel post, add 1c per plant.

**ELDORADO.** Of late introduction, being vigorous and hardy in most localities. The berries are large, coal black, flavor sweet and melting and have no hard core. Very firm and therefore an excellent market variety.

**SNYDER.** Berries of medium size, sweet, melting. Very hardy and wonderfully productive. Valuable for cold climates, as it leads where hardiness is a consideration. Early.

**BLOWERS.** Claimed to be the hardiest and most productive, and to bring on the market the highest price of all Blackberries. Fruit large size, jet black, of best quality; good shipper; enormous bearer.

**EARLY HARVEST.** Its earliness, combined with good shipping qualities, makes it a very profitable variety. The fruit is of medium size, firm, and attractive in appearance. Dwarf and compact grower.

## BLACK RASPBERRY PLANTS

Ward Blackberry. Prices, each, 10c; per 10, 60c; per 100, \$4.00, not postpaid. If by parcel post, add 1c per plant.

**CUMBERLAND.** "The business Blackcap." It is of wonderful productiveness; producing regularly and uniformly very large crops. In size the fruit is simply enormous, far surpassing any other variety.

**GREGG.** Early; very large and productive.

**KANSAS BLACKCAP.** Berries large; heavy bearer.

## RED RASPBERRY PLANTS

Prices, each, 10c; per 10, 60c; per 100, \$3.50, not postpaid. If by parcel post, add 1c per plant.

**CUTHBERT.** A strong grower and very productive, large bright red, fruit firm, of very fine quality. Season medium to late; a good one for market or home use. Is doing well everywhere.

**KING.** Several of our best fruit growers consider this the best of the red raspberries. It has large and attractive, bright red fruit, of good flavor; ripening with the earliest and firm enough to keep for some time, in hardiness and productiveness all that could be desired.

**LOUDEN.** This variety is a marvel of productiveness and hardy to the tips of its shoots. Its large and beautiful, rich, dark crimson fruits are of good flavor; ship better and hang longer after ripening than those of any other variety.

**MARLBORO.** A profitable early market berry, with large crimson fruits of good quality and firmness. This variety is very hardy and well suited to the North.



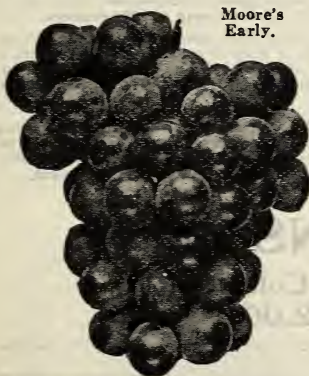
Louden Red Raspberries.

## EVERBEARING RASPBERRIES

**ST. REGIS.** Berries bright crimson, of large size, fine and meaty, with a rich, luscious, true raspberry flavor. It is wonderfully prolific, the fruit beginning to ripen with the earliest and continuing well into October. The canes are stocky, of strong growth, with an abundance of dark green, feathery foliage. Prices, each, 10c; per 10, 70c; per 100, \$4.00, not postpaid. If by parcel post, add 1c per plant.

## DEWBERRIES

**LUCRETIA.** In size and quality this low-growing or trailing blackberry equals any of the upright sorts. Its berries ripen before raspberries are gone, are large, soft, sweet, and luscious throughout, with no hard core. The vine is perfectly hardy, healthy, and exceedingly fruitful, with large showy blossoms. May be grown over walls, trellises or rocky slopes, where there is no room for other berries. Prices, each, 10c; per 10, 65c; per 100, \$4.00, not postpaid. If by parcel post, add 1c per plant.



Moore's  
Early.



Cumberland Black Raspberries.

## HARDY GRAPE VINES

Everyone should plant grapes in the home garden. No part of the fruit garden gives you greater pleasure and more satisfaction than the vineyard. Grapes are easy to grow and do well in any ordinary soil. They can be trained over frames, trellises or doorways and are ornamental as well as useful. Make your own grape juice.

**CONCORD (Black).** The fine old market leader, with large, handsome clusters of big, luscious grapes. Entirely hardy, productive and reliable; succeeds well over a great extent of country.

**MOORE'S EARLY (Black).** Clusters of medium size; berries large, round, black, with heavy blue bloom. Extra early, successful in the West.

**NIAGARA (The White Concord).** One of the leading white sorts, bunch large, compact; berry large yellowish white.

**WORDEN (Black).** Resembling the Concord, but larger and better quality, and five to ten days earlier. A vigorous, hardy, and very productive grower.

**WYOMING (Red).** One of the most beautiful of the red or amber grapes; brighter colored than Delaware, earlier, nearly twice as large; flesh tender, juicy, sweet, with a strong, native aroma. The vine is hardy and healthy, with thick, leathery foliage. The best of the red grapes for early market.

## Prices of Grapes

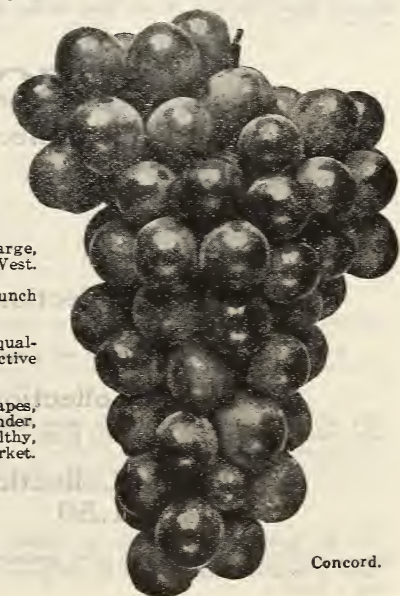
Concord—Each, 20c; per 10, \$1.75; per 100, \$15.00.

Other Varieties—Each, 25c; per 10, \$2.00; per 100, \$18.00.

Not postpaid; if by parcel post, add 2c per plant.



Wyoming Grapes.



Concord.





## Strawberries



Hood River.

As a shipper, it is hard to beat on account of its firmness. The plants make a large bush and winter better than any other variety known. On account of its good keeping quality it makes an excellent shipper. If you want a large, well-shaped strawberry that will outsell anything on the market, don't overlook this wonder.

**DR. BURRILL** (The Million Dollar Strawberry). The Gem of Perfection. Berries large, dark red, of the best quality and uniform in size and shape. This new variety is a strong fertilizer. Its blooming and fruiting season is extra long and it is a wonderful producer; midseason.

**GIBSON.** A new variety of merit; bears with Dunlap, but owing to its productiveness continues until quite late; large, glossy berries of good quality. Strong grower.

**HOOD RIVER.** This variety has won great favor out West, and just before any of our home-grown berries are ready our market requires a number of cars of Hood River berries from Oregon, and it was through these shipments that our trade became acquainted with the berry. The Hood River berry produces dark red fruit, very heavily meated, and instead of a pinkish white color it is a dark red. Our stock was secured from the best berry men of Edgewater, Colorado. For large amounts, write for special prices.

**RIDGEWAY.** A very large, midseason, handsome berry, of heavy yielding power; the berries are very solid and stand shipping great distances; very highly flavored and juicy; excellent for preserves. A dandy for either the home garden or the market.

**SENATOR DUNLAP.** A very hardy midseason variety that produces a heavy yield of large, richly colored strawberries that command good prices on the market. The plant makes a very heavy foliage and is a good keeper through the Winter.

Prices, postpaid: 25 for 40c; 50 for 60c; 100 for 90c. If by express at buyer's expense, 25 for 30c; 50 for 50c; 100 for 80c. Not postpaid, 1000 for \$6.50.

**CULTURE.** A good many people overlook the strawberry, thinking the plants demand too much care, but this is not true. Strawberries will succeed in any soil that is adapted to ordinary farm or garden crops. For field culture set in rows three feet apart, 18 inches in rows; for garden, 15 inches each way, leaving pathway every third row. The ground should always be kept clean and well cultivated. In Winter a covering of leaves, straw or some kind of litter will protect the plants. Do not cover them until the ground is frozen, or so deep as to smother plants, and remove covering before growth starts in the Spring.

### Standard Varieties

**AROMA.** A large, bright scarlet berry of a roundish, conical shape. Not quite as large as the Fremont Williams. It is very productive, a fine canning and shipping berry.

**FREMONT WILLIAMS.** A new, large, late season strawberry that has proven itself for western and more particularly the Denver market. The berries are very large, blunt-shaped, glossy and unsurpassed in beauty.



Fremont Williams.

### Everbearing Strawberries

This wonderful strawberry was obtained by cross-pollinating the wild everbearing Alpine sorts with the standard varieties and yields continuously from the latter part of May until frost destroys the leaves, and many times berries may be picked in the snow. The plants bear the same year they are started, but if a large amount of late berries are desired it is better to pinch the blossoms during May and June, which causes the heaviest crop to come on during September and October.

It is best not to trim off any of the runners or shoots, just allow them to run and bloom, and during the hot summer months they require a little additional water and some cultivation to get the best results.

Get your order in early. Shipments will be made at any date you desire. Have your ground ready and we will forward the plants so you will receive them in nice fresh condition, well packed, just when you are ready for them.

**PROGRESSIVE.** This is the old variety of everbearing which still holds a prominent place among the everbearing strawberries. It is a strong grower, has dense foliage, fruit medium and dark colored, of the finest flavor. Price, 1 dozen, 25c; 50 plants, \$1.00; 100 plants, \$1.50; 1000 plants, \$12.00, postpaid.

**SUPERB.** Splendid bearer, larger than Progressive, but not so rich in flavor. A strong grower. Price, same as Progressive.

**PRIDE OF DENVER.** This strictly high class variety is a Colorado product of great merit. It makes a perfect growth during the entire season. The berries are large, deep colored and of excellent flavor. A fine cropper. Price, 1 dozen, 35c; 50 plants, \$1.25; 100 plants, \$2.00, postpaid.

**MASTODON.** This new variety is the last word in everbearing strawberries. Mastodon is a thrifty grower, a heavy cropper, berries are of the finest quality and as large again as any other variety. Price, 1 dozen, 75c; 50 plants \$2.00; 100 plants \$3.50, postpaid.



Mastodon—The Best Everbearer.

## SPECIAL COLLECTIONS

### Small Fruit Collection

6 Red Raspberry, Cuthbert .....	\$0.60
3 Grape, Moore's Early .....	.75
6 Blackberry, Snyder .....	.60
2 Gooseberry, Downing .....	.50
4 Currants, Perfection .....	1.60
25 Strawberry, Dunlap or Hood River .....	.40
Regular price, \$4.45; cost you \$3.50, postpaid.	

### Shrub Collection

1 Golden Bell	1 Snowberry	4 Van Houttei Spirea	2 Lilacs
	2 Barberry		
Regular price, \$8.00, postpaid; our price, \$6.50, postpaid.			

### Rose Collection

We will send postpaid, any five roses listed at 60c or 65c each, your selection, for \$2.75, or ten for \$5.00.

### Dahlia Collection \$1.50

We are making a special offer of thirteen good roots, our selection, all different colors, no two alike, postpaid, \$1.50. This collection contains some of our finest varieties on which we have a surplus.

### Dahlia Collection \$2.00

We will send, postpaid, any ten, your selection, of our 25c dahlias, for \$2.00, postpaid.

### FREE—TO EVERY CUSTOMER—FREE

#### FLOWER SEEDS, DAHLIAS AND GLADIOLI

Everyone is fond of flowers, and every farm, garden or ranch should have them about the house. So we have made up a selection of flowers that will bloom all season and produce an abundance of beautiful flowers. This collection consists of six packages of Flower Seeds, easy to grow and all different, three packages of Dahlia roots, different colors, and 12 fancy Groff's Strain Gladioli Bulbs. The above six packages of flower seed will be sent to any of our customers free, sending us an order for flower or vegetable seeds that will amount to \$2.00, and if your order is \$4.50 we will include the Dahlias. If your order is \$7.00 or more, we will send the whole collection of Flower Seed, Dahlias and Gladioli.

This offer is on vegetable and flower seed, not field seed or poultry supplies, etc.

**NOTICE.** Some of our customers do not have the time to spare about the flower garden and others are unable to provide water for flowers, so do not care for the free collection, and we are sending it only upon request. Those who wish it must ask for it.



# Deciduous Ornamental Trees

Many people are realizing nowadays that by expending a little time and study they can have well kept and attractive looking grounds, adding to the beauty and comfort of the home and increasing the value of the property. There is an ornamental deciduous tree for almost every purpose, whether for shade, for hiding objectionable sights, or for beauty or utility. Our list comprises all those varieties which are well adapted to our western climate. You will find many interesting trees, suitable for your individual tastes.

Note: We divide the ornamental trees into two classes—those suitable for street planting, "Class A"; those suitable for lawns, "Class B." Those that can be used for either are marked "AB." For large lawns many of the "A" class are desirable; note the letter after each variety.

**BIRCH, AMERICAN WHITE (A).** A medium sized tree with smooth white bark and handsome foliage. Thrives well even in poor and dry soils. Very attractive and ornamental. Price, each, \$1.75, not postpaid.

**AMERICAN ELM (A).** 6 to 8 feet. Easily distinguished by its wide, arching top, vase-like form and pendulous branchlets. Next to the oak, this is the grandest and most picturesque of American trees. Yellow or brown in Fall. Price, each, \$1.00; 10 for \$9.00, not postpaid.

**AMERICAN LINDEN (AB).** A stately tree, with large, shining cordate leaves. Valuable for its beautiful white wood; flowers in July. A valuable lawn tree and should be used for this purpose. Price, each, \$1.60; 10 for \$15.00.

**CATALPA SPECIOSA (AB).** A handsome large foliaged tree. It is very hardy and a rapid grower; foliage heart shaped and dark green. The flowers are two inches in diameter and come in large pyramidal panicles, color white, striped yellow, dotted reddish and violet. Blooms early in Summer, followed by long seed pods in Autumn. A fine tree for the lawn. 8 to 10 feet. \$1.00, not postpaid.

**CATALPA BUNGEI (Umbrella Catalpa) (B).** Grafted on stems five feet high, it makes an umbrella-shaped top without pruning. Perfectly hardy, and flourishes in almost all soils and climates. Leaves large, glossy, heart-shaped, deep green, lying like shingles on a roof; always making a symmetrical head. One of the most unique trees; desirable for lawn, park and cemetery planting. Price, each, \$1.75; per 10, \$16.00.

**CRAB, BECHTEL'S DOUBLE FLOWERING (B).** Makes a medium sized tree; perfectly hardy, does well in a medium dry soil. Blooms appear to be delicate pink, perfectly double small roses of delicious fragrance. The only sweet-scented double crab. 4 to 5 feet. Price, not postpaid: Each, \$2.00.

**RUSSIAN OLIVE (AB).** 5 to 6 feet. A very hardy and handsome species that in some sections forms a small tree, 8 to 12 feet high. The leaves are particularly handsome, willowlike and a rich silvery white. The flowers are small, golden yellow and very fragrant, followed by yellow fruits, which are covered with silvery scales. Blooms in June. Not postpaid: Each, \$1.00; per 10, \$9.00.

**GOLDEN RUSSIAN WILLOW (B).** At the present time one of the most planted of all willows and a very important tree, both from an ornamental and economical standpoint. It makes a round top tree of symmetrical form. One of its strongest ornamental features is the bright clear golden yellow bark which offers a contrast wherever used. Not postpaid: Each, 75c; per 10, \$6.50.



Cut-Leaved Weeping Birch.



Mountain Ash.

**PUSSY WILLOW.** A small tree with upright branches. Catkins very numerous, handsome in flower; greatly esteemed by reason of its extreme earliness. 5-6 ft. \$1.00.

**LARCH (Larix Europea).** A lofty, rapid growing, pyramidal tree, with delicate light green foliage and drooping branches, with the characteristics of an evergreen, except that it drops its foliage in the Fall. Very beautiful and fine for specimens on the lawn. 3 to 4 feet. \$1.40 each, not postpaid.

**BLACK WALNUT.** A splendid shade and ornamental tree and the best tree for Colorado. It should be planted more in this country. Because of its deep tap root, only small sizes should be set. 6 to 8 feet. \$1.00 each; per ten, \$9.50.

**MOUNTAIN ASH (European) (B).** Hardy tree; head dense and regular, beautiful fernlike green foliage; covered from July till Winter with clusters of bright, red berries. The combination of foliage and clustered fruits makes this one of the most striking and beautiful trees that grow. Not postpaid: Each, \$1.00; per 10, \$9.00.

**OAK, RED (AB).** A large native tree with deeply cut, bright green leaves which turn purplish crimson in Autumn. 5 to 6 feet. \$2.00 each.

**SOFT or SILVER MAPLE (A).** 6 to 8 ft. A hardy, rapid-growing native tree of large size. Valuable for producing a quick shade. Excellent for street planting. Price, each, \$1.00; per 10, \$8.50, not postpaid.

**NORWAY MAPLE (A).** 6 to 8 feet. Native of Europe; a large, handsome tree, with broad, deep green shining foliage. Very desirable for street, park or lawns. The Norway Maple characteristically makes the roundest head; is colored the deepest, coolest green; and furnishes the densest shade of the entire list of good trees. Price, each, \$1.75; per 10, \$15.00, not postpaid.

**SUGAR or HARD MAPLE (A).** 6 to 8 feet. This tree is chieftain of its clan; straight, spreading, symmetrical, of grand proportions, often 40 feet in height, and longer lived than most men who plant it. It grows well in all except damp, soggy soils, and roots deeply, allowing grass to grow close to its trunk. Its bold leaves have very rich autumn tints of clear yellow and scarlet. Price, each, \$1.40; per 10, \$12.00, not postpaid.

**WEIR'S CUT LEAVED SILVER MAPLE (AB).** 6 to 8 feet. One of the best cut or dissected leaved trees, of rapid growth. Not postpaid: Each, \$1.50; per 10, \$13.50.

**SCHWEDLER'S MAPLE (AB).** The beautiful leaves attract attention at all seasons, but are especially fine in Spring when their gleaming red and purple contrasts brightly with the delicate green of other trees. In midsummer they are purplish green, in Autumn golden yellow. 5 to 6 feet. \$3.00 each.

**BOLLEANA POPLAR (AB).** 6 to 8 feet. Similar to Lombardy in habit, but broader, with leaves glossy green above, silvery beneath. Each, \$1.50; per 10, \$12.00, not postpaid.

**CAROLINA POPLAR (A).** 8 to 10 feet. Unexcelled for quick growth and effect. Its rapid growth gives an air of luxuriance to places where other trees appear starved. Showy and cheery from the constant movement of its glossy, silver-lined leaves, yet always casting a dense, cool shade. Not postpaid: Each, 75c; per 10, \$6.50.

**NORWAY POPLAR.** Makes a thick, broad-topped shading tree of quick growth and great hardiness. Broad, triangular leaves with finely scalloped edges, smooth dark green. 8-10 ft., 75c each; per 10, \$6.50.

**LOMBARDY (AB).** 8 to 10 feet. Remarkable for its picturesque tall, spirelike form; desirable as quick growing street trees. Not postpaid: Each, \$1.00; per 10, \$9.00.

**SILVER LEAVED POPLAR.** Large growing; leaves dark green on upper side, silver underneath. Each, \$1.00; 10 for \$9.00, not postpaid.

## Weeping Deciduous Trees

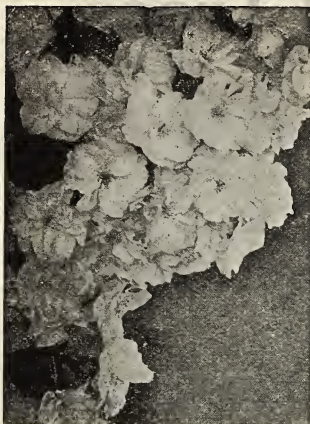
**CUT LEAVED WEEPING BIRCH (B).** One of the most elegant of all weeping trees. Its tall, slender, yet vigorous growth, with graceful drooping habit, silvery white bark and delicate cut leaved foliage makes it one of the most attractive trees. It is especially ornamental. 5 to 6 feet. Price, \$2.75 each, not postpaid.

**WISCONSIN WEEPING WILLOW.** Of drooping habit and beautiful form. The most hardy of all Weeping Willows. 5-6 ft., \$1.00 each.

**WEEPING WILLOW (Niobe) (B).** A handsome tree, slender leaves, green above, silvery beneath. The twigs and bark tinged dark red. 5 to 6 feet. \$1.00 each.



# Ornamental Shrubs



Flowering Almond.

## Elder - Sambucus

Although the elders are attractive in flower and fruit, they are chiefly grown for their beautiful leaves, which make admirable fillers among other shrubs. Being rather tall growing and of robust habit, their use should be confined to back-grounds, screens, or tall hedges.

**AMERICAN ELDER** (*Canadensis*) (L.). Immense flat topped cymes of white flowers in early Summer, followed in August and September by luscious black fruits—the source of Mother's "Elderberry Pie." 3 to 4 feet. Each, 60c, not prepaid.

**CUT-LEAVED ELDER** (*Canadensis Acutifolia*) (L.). One of the best cut-leaved shrubs. 3 to 4 feet. Each, 60c, not prepaid.

**GOLDEN ELDER** (*S. Nigra Aurea*) (L.). Contrasted with other shrubs, the golden yellow leaves of this European elder gives heightened effects in tone and color. Flowers white in flat topped cymes. Grows naturally 10 to 15 feet but can be pruned into neat, compact little bush. Each, 60c, not prepaid.

## Feather Bush - Tamarix

**AMURENSIS** (L.). The hardest variety. The loose, rose colored flowers are borne along its branches, the foliage is light and feathery. If cut back each Spring before the growth starts, the bush will be more graceful during the season. May be planted on moist ground as well as dry. 3 to 4 feet. Each, 50c, not prepaid.

## Golden Bell

**FORSYTHIA SUSPENS A** (M.). This splendid old shrub lights up the garden with glinting masses of yellow early in the Spring before the leaves appear. Has a drooping habit. 3 to 4 feet. Each, 60c, not prepaid.

## Honeysuckle - Lonicera

The upright honeysuckles have bright and pretty fragrant flowers, followed by showy berries that last through the Fall. Make very desirable and attractive shrubs.

**WHITE** (M.). Flowers bluish white, 3 to 4 feet. Each, 60c, not prepaid.

**ROSE or PINK** (M.). Deep rose pink flowers, 3 to 4 feet. Each, 65c, not prepaid.

**RED** (M.). Blossoms are a very pronounced red; one of the best honeysuckles. 3 to 4 feet. Each, 65c, not prepaid.



Butterfly Bush.

## Flowering Almond

**ALMOND** (M.). Spring flowering shrubs, blooming very gaily before the leaves appear. Their growth is dwarf, bushy, and compact; slender branched; when in bloom completely hidden by beautiful, double flowers of rose or white, snuggling tight to the twigs. Double white or double pink. 3 to 4 feet. Each, \$1.00, not prepaid.

## Butterfly Bush

**BUDDLEIA** (Butterfly Bush) (S.). A most beautiful shrub that produces long graceful stems, which terminate in tapering panicles of beautiful lilac colored flowers. It is a rapid grower and will throw out as many as fifty spikes a season. The shrub will freeze down in Colorado; while hardy, it is best to cover the roots with leaves or manure, to insure a heavier growth the next season. It will bloom from June until frost. Extra strong plants. 50c each, not prepaid.

## Dogwood

**CORNUS SIBIRICA ALBA** (M.). Red stemmed. Clusters of fine white flowers, succeeded by a fall crop of ornamental berries; stem and branches turning to blood-red in Winter. Each, 60c, not prepaid.

**CORNUS STOLONIFERA, LUTEA** (*Flaviramea*). (M.). Yellow stemmed. Clusters of white flowers, stems, and branches are yellow. Each, 60c, not prepaid.



Japanese Barberry.

## Rose of Sharon

**HIBISCUS; ALTHEA** (S.). One of the best known shrubs with handsome plain and variegated foliage bearing large single and double flowers in red, pink, and white in August and September. They are very hardy, easily cultivated and will bloom until their growth is cut off by frost. 3 to 4 feet. Each, 60c, not prepaid.

## Hydrangea

**ARBORESCENS GRANDIFLORA** or **HILLS OF SNOW** (S.). This hardy American shrub grows 4 to 6 feet high and is one of the finest of this class of plants. The blooms are of largest size, of pure snow white and the foliage is finely finished. Blooms after all the early shrubs, from June until August. 2 to 3 feet. Each, 80c, not prepaid.

**PANICULATA GRANDIFLORA** (S.). A good one to follow Hills of Snow, blooming profusely when other shrubs are failing in the Fall. Blossoms open white, assuming rose and bronze tints on the sunny side and drooping gracefully of their own weight. 2 to 3 feet. Each, 80c, not prepaid.

## Barberry

**JAPANESE** (*Berberis Thunbergi*) (D.). A very popular low hedge plant of great hardiness; flowers followed by bright red berries that remain on plant until February. Foliage small dark green, turning to brilliant colors in Fall. Effective for use in edging shrubbery or in masses. 1½ to 2 feet. Each, 50c; 10 for \$4.00, not prepaid.

**NEW RED-LEAVED JAPANESE BARBERRY**. Similar in all respects to the green-leaved, but the foliage is of a rich, lustrous, bronzy red. It should be planted in a sunny exposure to bring out and retain its full red color. 12 to 15 inches, \$1.00 each, not prepaid.

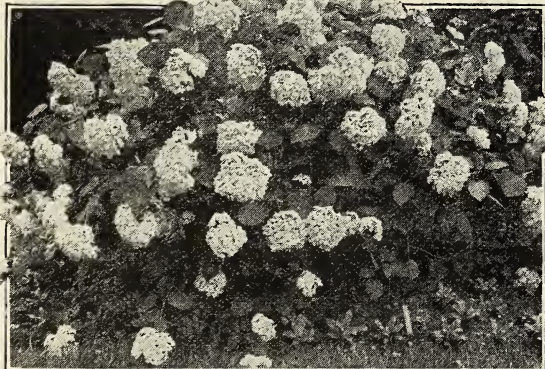
## Flowering Quince

(*Pyrus Japonica*) (S.). Very ornamental in early Spring, as its bright scarlet flowers completely cover the branches before the leaves are formed. Makes a good hedge. 2 to 3 feet. Each, 75c, not prepaid.

## Flowering Plum

**PURPLE-LEAVED** (*Pissardi*). A small treelike shrub. The young branches are a dark purple; the leaves when young are lustrous crimson changing to dark purple. In early Spring before the leaves unfold the tree is covered with flowers. Each, \$1.00; 10 for \$8.00, not prepaid.

**DOUBLE-FLOWERING** (*P. Triloba*). A beautiful small tree or shrub of fine habit, with elegant, double, rosy flowers, set very closely on slender branches. \$1.00 each, not prepaid.



Hydrangea—Hills of Snow.



## Lilacs

**LILAC, COMMON PURPLE** (*Syringa Vulgaris*) (M). The lilac is familiar to everyone, with its fine, heart-shaped foliage and splendid panicles of typical lilac flowers, which are of delightful fragrance and borne in magnificent clusters in May. It is still a favorite, in spite of the newer hybrids, of which it is the parent. Each, 75c, not prepaid.

**LILAC, COMMON WHITE** (*Syringa Vulgaris Alba*) (M). Similar to the former, with pure white, very fragrant flowers and handsome foliage. Each, 75c, not prepaid.

**LILAC, PERSIAN** (*Syringa Persica*). This variety has smaller leaves than the common lilac. Its branches are slender and straight; the bright purple flowers are borne in loose panicles in a fine graceful form. 3 to 4 feet. \$1.00 each, not prepaid.

**LILAC, HUNGARIAN** (*Syringa Josikaea*). A fine distinct species of treelike growth, with dark shining leaves and purple flowers. It blooms a month later, after all other lilacs are done blooming. Esteemed for its fine habits and foliage. 2 to 3 feet. \$1.00 each, not prepaid.

## Shrub Roses

The roses we mention here grow too large to be planted with other bush roses and should be used only in connection with shrubbery or as specimens on lawns. Their beautiful blooms, ornamental foliage, bright berries, brilliant autumn colors and picturesque habit of growth make them very desirable for every garden of any size.

**HUGONIS** (Chinese Briar). A striking attractive new shrub, with clean healthy foliage of the briar type. When in bloom it is a shimmering mound of gold and very fragrant. A most decorative shrub from early Spring until late in Fall. 75c each.

**F. J. GROOTENDORST**. This is a Polyantha-Rugosa and new in its class. It has continuous blooming qualities, is of rugged hardy growth, with foliage shiny and leathery. The blooms come in clusters of a rich, red color from early Summer until Fall. 65c each.

**ROSA RUBIGINOSA** (English Sweet Briar). A tall grower with arching branches. Bright pink single flowers, followed by red berries that are retained all Winter. Foliage and flowers both have a rich, spicy fragrance. 65c each, not prepaid.

**HANSA**. Valuable for its great hardiness and vigor, flowers large and double, of a reddish violet color, foliage always free from insect pests. 65c each.

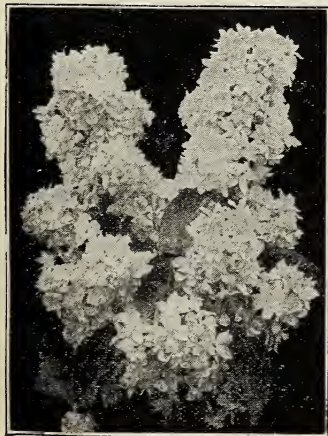
**PERSIAN YELLOW**. Lovely, golden yellow, semi-double flowers. 75c each.

## Snowball

**VIBURNUM OPULUS STERILE**. A grand hardy shrub. The flowers appear in numerous compact balls in the Spring. Well known and justly popular. 3 to 4 feet. 75c each, not prepaid.

**VIBURNUM DENTATUM** (L). A perfect upright growing shrub, with heart-shaped leaves, bright green in Summer, changing later to a rich purple and red. The handsome creamy-white flowers are followed by blue-black berries. 3 to 4 feet. 75c each, not prepaid.

**VIBURNUM OPULUS** (High Bush Cranberry) (L). The well known variety in old gardens. Grows 8 to 10 feet tall, bearing its balls of white flowers in great profusion in May and June, followed by scarlet fruits in clusters. 3 to 4 feet. 75c each, not prepaid.



Lilac.



Weigela.

## Spirea

All of the spireas bloom with a riotous extravagance which makes them quite striking. Their individual style, color, and habits of growth differ so markedly that a collection of varieties will insure bloom the entire season and still avoid the monotony of repetition.

**ANTHONY WATERER**. Dwarf, bushy, spreading type, with large, deep red flowers. Blooms freely throughout the Summer until late in Fall. Fine for border or foundation planting. Each, 80c, not prepaid.

**BILLIARDI**. A strong grower; dull green foliage, dense panicles of bright pink flowers. Blooms during July and August and occasionally during the Fall. Each, 65c, not prepaid.

**THUNBERGI**. This Japanese species forms a dense fluffy bush, 3 to 5 feet high, with feathery foliage of yellowish green, changing in Autumn to bright red and orange. Flowers borne the entire length of the stem. One of the earliest to bloom. 60c each, not prepaid.

**PRUNIFOLIA, TRUE BRIDAL WREATH** (M). Beautiful white flowers, double and very profuse. Foliage scarlet in Autumn. Each, 75c, not prepaid.

**VAN HOUTTEI** (M). This is one of the finest ornamental shrubs in our whole collection, and much used in all good landscape work. Its branches droop with singular grace under their white burden of flowers in late Spring. Each, 50c, not prepaid.



Spirea Van Houttei.

## Mock Orange

**MOCK ORANGE** (*Philadelphus Coronarius*) (L). The Mock Orange is undoubtedly one of the best known and most popular shrubs, and, in spite of the great number of new plants which have been introduced, the old *Philadelphus* holds its own and more freely than ever. It is also known as *Syringa* in some localities. The shrubs are usually tall, vigorous growers, with large foliage and flowers, and so are valuable for backgrounds, screens, grouping and specimens. Their flowers are very sweet-scented, milk-white, in most cases, and beautiful for cutting. Each, 65c, not prepaid.

## Kerria

**KERRIA JAPONICA** (*Japan Corchorus*) (S). A handsome, green-leaved shrub, growing 4 to 5 feet tall. Graceful slender, drooping branches, painted with a wealth of rich dark yellow flowers in June, and to some extent all Summer. 2 to 3 feet. 85c each, not prepaid.

## Snowberry

**SYMPHORICARPOS RACEMOSUS** (White Snowberry) (S). Inconspicuous rose-colored flowers in June and July; followed by large clusters of milk-white fruits which remain far into the Winter. Each, 65c, not prepaid.

**SYMPHORICARPOS VULGARIS** (Indian Currant; Coralberry) (S). Similar to the White Snowberry except that its fruits are red, and that the smaller, red berries cluster in thick ropes about the weighed-down stems. Each, 65c, not prepaid.

## Sweet Scented Shrub

This is one of the most desirable shrubs. The wood is fragrant. Flowers are of a rare chocolate color, having an exquisite pineapple fragrance. They bloom in June and throughout the Summer. Each, 65c, not prepaid.

## Sumac

Nothing will make a more attractive corner in the garden than a large clump of Sumac. The foliage is very graceful, on some varieties fernlike, and every lover of nature thrills at the gorgeous color display of its foliage in Autumn.

**RHUS GLABRA LACINIATA** (S). A variety with deeply cut fernlike foliage, which turns crimson in the Fall. 3 to 4 feet. 65c each, not prepaid.

**STAGHORN SUMAC** (*Rhus Typhina*) (L). A large shrub or tree, brilliant foliage and scarlet fruit in Autumn. 3 to 4 feet. Each, 75c, not prepaid.

## Weigela

Beautiful shrubs that bloom in May, June, and July. The flowers are produced in so great profusion as to almost entirely hide the foliage.

**DIERVILLA** (*Eva Rathke*) (M). A charming new weigela; flowers brilliant crimson; a beautiful, distinct, clear shade. 2 to 3 feet. Each, 90c, not prepaid.

**ROSEA VARIEGATED** (S). An exceedingly pretty variety, the variegation being very distinct. 3 to 4 feet. Each, 90c, not prepaid.





Privet Hedge.



**ENGELMANNI.** This is the most satisfactory for our western country as it is very hardy; a rapid grower; more beautiful than the American Ivy; it requires no support on such surfaces as stucco walls or rough brick but on very smooth surfaces it does not cling. Price, 2-year-old roots: Each, 35c; 5 for \$1.50, postpaid.

**BOSTON IVY.** This is the variety that clings tightly to all surfaces whether smooth or rough. Leaves are deep green, smaller than the other ivies; however, it is not so popular in our western country as it grows very slowly in this climate. Price, 2-year-old plants: Each, 75c; 5 for \$3.00, postpaid.

## Clematis

The finer varieties of clematis are today the most showy and effective of all the hardy climbing vines known, so far as richness of color and elegance of form of flower is concerned. Their exceedingly rapid growth makes them very valuable for pillars and trellises, pegged down for rock-work, old trees, and stumps.

**JACKMANI.** The flowers, when fully expanded, measure 5 to 6 inches in diameter, of intense violet purplish color, with a rich velvety appearance; bloom continuously until frost. Each, 85c.

**PANICULATA (Sweet-Scented Japan).** Are of very rapid growth, quickly covering trellises and arbors with handsome, clean, glossy foliage. The flowers are medium sized, white in color, very fragrant and of a shiny appearance, blooming in August and September. Each, 50c.

**MADAME EDOUARD ANDRE.** Flowers large, of a beautiful velvety red, very free flowering and a continuous bloomer. Each, 85c.

**COCCINEA.** A native southern species; hardy; flowers small, bright scarlet. A very interesting plant. 50c each, not postpaid.

**RAMONA.** A strong rampant grower and very hardy. It is a free and perpetual blooming variety. The color of the flower is deep sky blue, and the largest of any kind. Each, 85c.

## Honeysuckle - Lonicera

Their vining qualities are all that can be desired, but the delightful fragrance of their flowers makes the strongest bid for favor. The honeysuckle perfume is loved throughout the world.

**BELGICA (Monthly Fragrant).** One of the prettiest, with numerous sprays of red and yellow. Each, 60c; per 10, \$5.50.

**HALLIANA.** Color, an intermingling of white and yellow; extremely fragrant and most satisfactory. Each, 50c; per 10, \$4.50.

**SEMPERVIRENS (Scarlet Trumpet Honeysuckle).** Trumpet-shaped flowers of bright scarlet. Each, 65c; per 10, \$6.00.

## Assorted Vines

**CHINESE MATRIMONY VINE (Lycium Chinense).** A general utility hardy climbing vine that will overcome any obstacle to growth and flourish everywhere. Every new shoot produces handsome flowers and later a prodigious crop of scarlet berries nearly an inch long. Each, 50c; 10 for \$4.00.

**CINNAMON VINE.** Well known hardy climber, quick grower, with glossy heart-shaped leaves and sweet-scented flowers. 15c each; \$1.50 per doz., postpaid.



Regal Lily.

**JAPANESE KUDZU VINE (Pueraria Thunbergiana).** The fastest growing vine; when established making 12 to 14 inches a day. The rosy purple, pea-shaped flowers are borne in racemes in August. Large plants. Each, 40c; 10 for \$3.00.

**TRUMPET VINE (Bignonia Radicans).** A splendid, hardy climbing plant, with large, trumpet-shaped, scarlet flowers in August. Two-year-old: Each, 40c; per 10, \$3.50.

**WISTERIA (Sinensis).** Chinese Purple. The long, twining branches bear great sprays of foliage, while its charming flowers sway with every passing breeze. Each, 75c; 10 for \$6.50.

**WISTERIA (Sinensis Alba).** Of similar habit to Sinensis, but with pure white flowers. Each, 75c; 10 for \$6.50.

**MADEIRA VINE.** A beautiful, rapid growing vine, with dense foliage, white, fragrant flowers. A hardy plant if protected during the Winter. Strong tubers, 15c each; \$1.50 per doz., postpaid.

## HARDY LILIES

**LILY-OF-THE-VALLEY.** This highly perfumed, delicate and refined looking lily should be given a place in every garden. It does best in a shady corner and spreads rapidly. Every year you find more plants. They show early in the Spring and are one of the first to bloom. It is very hardy and needs no attention in the Fall to carry them through the Winter. 6 pips for 40c; 12 for 70c; 100 for \$6.00.

**TIGER LILY.** Large flowers of orange color, spotted black, often 2 to 3 blooms to the stem; grows about 4 to 5 feet high and makes a dandy background. Plant about 1 foot apart. Each, 20c; dozen, \$2.00.

**LEMON LILY.** A pretty plant with long narrow leaves and flower stalks 2 to 3 feet high. These are crowned in June with delightfully fragrant, beautiful lemon-colored flowers, 3 to 4 inches in diameter. A very popular variety; magnificent when planted in a large bed. Each, 25c; dozen, \$2.50.

**LILIUM AURATUM (Gold-Banded Lily of Japan).** Flowers 8 to 10 inches in diameter. Color white, thickly studded with chocolate crimson spots and a bright golden band through the center of each petal. Good sized bulbs, 40c each.

**LILIUM SPECIOSUM RUBRUM.** One of the best known. White, shaded and spotted with crimson; very fragrant. Large size bulbs, 40c each.

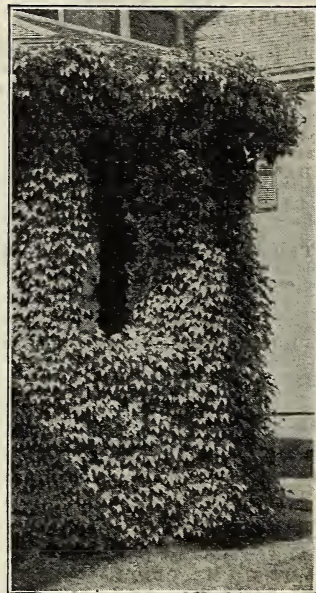
**LILIUM REGALE or MYRIOPHYLLUM.** A new lily of rare beauty from northwestern China. The flowers are white, slightly suffused with pink, canary yellow at center, and very fragrant. Large bulbs, 50c each, postpaid.

## Ivy

**AMERICAN IVY; VIRGINIA CREEPER; WOODBINE.** Fine for covering porches, verandas or trunks of trees. Very popular because it is a very hardy and rapid grower. It must have some kind of netting or framework on which to cling. Price, 2-year-old: Each, 35c; 5 for \$1.50, postpaid.

## HARDY CLIMBING VINES

Plant more vines and plenty of them. There is hardly anything that will add so much attractiveness to the home as some well selected vines. They give an air of homelike seclusion, which is very pleasing. The following list embodies all popular varieties for all purposes.



Boston Ivy.



# Roses

All the roses we send out are No. 1, field-grown, healthy, two-year-old, and not grafted. These roses are ready to bloom the first season after planting. Should you receive your roses by Express or Mail and they appear dry and shriveled, which may be due to delay in transit, put them in a cool and moist place, cover them entirely about 6 or 8 inches deep for about 4 or 5 days, then dig them up and plant them in the proper place. You will find your roses have regained their good color and the bark is smooth and full. At no time after unpacking should the roots be exposed to the sun and wind. Place the roses in a bucket of water; it won't hurt if the plants are soaked thoroughly.

Roses are easily grown, but never plant them carelessly. Roses are sure to die unless you plant them in a hole that is large enough so as not to cramp the roots. Place the soil about the roots; add plenty of water and pack firmly. A little well-rotted

manure, mixed with the soil, is very beneficial; don't expect roses that are planted in April or May to start growing in a week or 10 days; give them at least 3 weeks to start. Provisions should be made for good drainage, if the location is not naturally drained.

The rose delights in an open air situation, unshaded by trees or buildings. All the types are very partial to clay loam, but will do well in any ordinary soil, if enriched with well-rotted barnyard manure. After the plants have been



Gruss an Teplitz.

set out, keep the soil loose to the depth of an inch or two, by frequent stirrings.

The rose should be given plenty of water in the summer months when it is extremely hot and dry, cutting down the water supply in the Fall. An occasional soaking with weak manure water during the blooming season is most beneficial to all varieties of roses.

H. P.—Denotes Hybrid Perpetual.

H. T.—Denotes Hybrid Tea.

**WHITE KILLARNEY, H. T.** A sport from Killarney; it is pure white in color, long in bud, of fine form. 60c each.

**PINK KILLARNEY, H. T.** Deep shell pink, long pointed buds with large flowers; very free and perpetual. 60c each.

**LA FRANCE, H. T.** Bright satiny pink, with silver reflex. 60c each.

**GENERAL SUPERIOR ARNOLD JANSSEN, H. T.** Light crimson or carmine red, blooms on stately stems, fragrant, and long lasting. A very strong, free flowering plant of perfect habits. 75c each.

**GENERAL JACQUEMINOT, H. P.** Brilliant scarlet crimson; an old favorite and one of the best known roses in cultivation. 65c each.



Los Angeles.

**LOS ANGELES, H. T.** One of the grandest all around roses of American origin ever put on the market; of vigorous growth, with long stemmed flowers of a luscious flame-pink, toned with coral and shaded with gold at the base of the petals; buds are long and pointed. Each, 75c.

**BLACK PRINCE, H. P.** Deep crimson. Large, full, and globular. 60c each.

**CAPTAIN CHRISTY, H. P.** Has foliage of rare beauty, dense and deep green in color. The very large, full flowers are of pale peach color, deepening towards the center to rosy crimson, and blooms almost the entire season. 60c each.

**SUNBURST, H. T.** Deep cadmium yellow, with orange yellow center; large, full, and beautiful form. 80c each.

**AMERICAN BEAUTY, H. P.** Too well known to need description; color rich red, passing to crimson. 65c each.

**CAPT. HAYWARD, H. P.** Of largest size. Color, glowing crimson, very bright and rich; about the best H. P. in its class. 60c each.

**GENERAL MacARTHUR, H. T.** Bright scarlet, large, full, and very free, erect branching habit and very perpetual. One of the finest and most fragrant roses grown. 60c each.

**MADAME EDOUARD HERRIOT, H. T.** Deep terra-cotta or reddish-copper; free and strong. The "Daily Mail" Rose. 80c each.



La France.

**KAISERIN AUGUSTA VICTORIA, H. T.** This is a splendid rose of a creamy white color. The buds are pointed, opening into a superb full double flower of delightful fragrance. Should be in every garden. 75c each.

**GEORGE ARENDS, H. P.** Clear, brilliant pink, good bud and perfect formed flower. Strong grower and in every way worthy. 65c each.

**GRUSS AN TEPLITZ, H. T.** Brightest scarlet crimson; growing freely and flowering profusely. Quite hardy even in cold sections. 60c each.

**OPHELIA (Golden), H. T.** Rich, apricot-yellow color, slightly paler at the edges. A very beautiful rose, and very popular. 75c each.

**FRAU KARL DRUSCHKI, H. P.** Pure snow white, long pointed buds; large, full flowers; free and constant bloomer. 65c each.

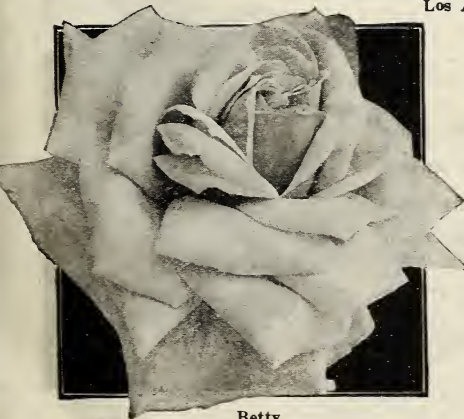


Pink Killarney.

**BETTY, H. T.** The flowers are deliciously fragrant, of very large size, full and beautiful. The exquisite color being copper, overspread with a beautiful golden yellow. 60c each.

**RADIANCE, A.** A great garden rose; large globular flowers; color brilliant rosy carmine, with rich pink tints; splendid grower, one of the best. Each, 65c.

**RED RADIANCE, H. T.** The color is a splendid even shade of clear red, without a trace of any other color. It is a remarkable bloomer, being constantly in flower from early Spring until freezing weather. Extra hardy, prolific grower; one of the best outdoor garden roses known. Each, 65c.



Betty.





Rosa Hugonis.

**PAUL'S SCARLET CLIMBER.** The most brilliant rose known, because of its clear, vivid, shining scarlet; in large, semi-double flowers, which remain long in good condition on the plants. The flowers never turn blue. A wonderful rose for pillars and trellises, strong grower, heavy foliage, free from insects and disease. Each, 75c.

### Baby Ramblers

A type of rose derived from the climbing Polyantha, dwarf in habit. It blooms the entire Summer until late in the Fall. They are very useful for bedding, edging borders, and cemetery purposes.

**BABY CRIMSON RAMBLER.** Brilliant ruby red. 65c each.

**BABY DOROTHY.** Pure pink. 65c each.

**CATHERINE ZEIMET.** White Baby Rambler. Snow white, double flowering. 65c each.

## ROSES—Continued

**HIS MAJESTY, H. P.** Dark crimson shaded vermillion. Some class it as a Hybrid Tea. 60c each.

**PAUL NEYRON, H. P.** Deep rose, immense size, hardy, and vigorous. 60c each.

**ULRICH BRUNNER, H. P.** Cherry-red, very large and fine form; fragrant. 60c each.

**CONRAD F. MEYER, H. P.** This rose is classified by some as the best Hybrid Perpetual ever grown, free bloomer, large double, and cup-shaped, intense pink, very fragrant. 60c each.

F. J. GROOTENDORST  
ROSA RUBIGINOSA  
HANSA  
HUGONIS  
PERSIAN YELLOW

See Page 61.

## Climbing Varieties

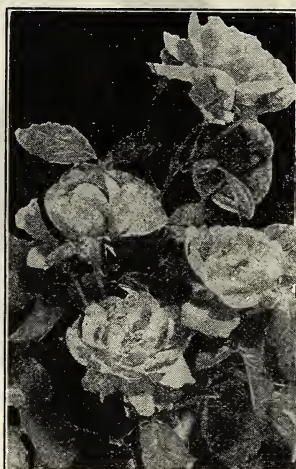
**CRIMSON RAMBLER.** An old favorite, very hardy, of quick growth and very strong. Satisfaction sure. 60c each.

**WHITE DOROTHY PERKINS.** Same as the original Dorothy Perkins, except color is clear white. Fills long felt want for a hardy white climber. 60c each.

**CLIMBING AMERICAN BEAUTY.** Heavy strong grower, hardy everywhere; color, rich red fading to crimson. Very popular. 65c each.

**CLIMBING GRUSS AN TEPLITZ.** A perfect sheet of crimson when in bloom. It is the same as the bush Teplitz. 75c each.

**DOROTHY PERKINS, PINK.** Beautiful deep pink. Too well known for further description. One of our best climbers. 60c each.



Paul's Scarlet Climber.

**EXCELSA.** A radiant, blood red cluster rose, as free and double as Dorothy Perkins, of which it is the red prototype. Excelsa outgrows any of the regular roses, has good clean foliage and proves always free from disease. 60c each.

**DR. VAN FLEET.** Flowers when open are 4 inches and over in diameter. It is absolutely hardy and free from insects. Color flesh pink. A very fine rose. 65c each.

**TAUSENDSCHOEN.** Soft pink, flowering freely in large clusters; vigorous and almost free from thorns. 60c each.

**AVIATEUR BLERIOT, H. W.** Exquisite little buds of saffron-yellow, shaded apricot, opening to a lighter shade; of a delightful magnolia fragrance; blooms in clusters, thrifty growers, with a fine glossy foliage. Each, 65c.

**SHOWER OF GOLD, H. W.** Deep golden yellow, very double, free and lasting; glossy bronze foliage. Each, 60c.

**MARY WALLACE, H. W.** Flowers are semi-double, well formed, very large, of a bright clear rose pink color, with salmon base. Each, 65c.

## PEONIES

There is no other plant that will make such a magnificent display of rich colors and give as much satisfaction in return for the trouble that you put in its cultivation. You should not be disappointed if the peonies do not quite come up to expectations the first year, for the second and succeeding years will make up for this if it should so happen.

The culture of the peonies is very easy and it does not require any certain soil, either sandy or heavy will do. The earth must be spaded deep. A little manure mixed in would not hurt. After your ground is in shape, plant the roots from 2 to 3 feet apart, covering the crown only 1 to 2 inches. Then give them plenty of water for best results. The best of the many varieties are those mentioned below.

**FAUST.** Shell pink. Midseason.

**ROSEA ELEGANS.** Soft pink. Midseason.

**RUBRA TRIUMPHANS.** Dark red. Early midseason.

**EDULIS SUPERBA.** Rose pink, very early.

**GENERAL McMAHON.** Bright crimson.

**DUKE OF WELLINGTON.** Ivory white with creamy white center. Very large. Late.

**OFFICINALIS RUBRA (Old Red).** Flowers of a bright crimson, quite double, and globular. Very early and fine.

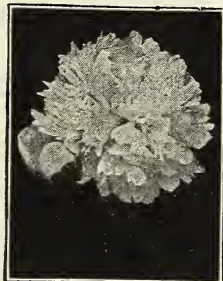
**QUEEN VICTORIA.** A good-sized flower; outside pure white, center creamy white; inner petals usually tipped carmine; early.

**FESTIVA MAXIMA.** Pure white center, prominently speckled with crimson; outer petals faint lilac white; extra large blooms, long stems; one of the finest and newest sorts; early.

Prices on above varieties, large healthy roots: Each, 50c; per ten, \$4.00, postpaid.

**FELIX CROUSSE.** Has large, globular flowers, solid and compactly built from edge to center, of a rich, brilliant, dazzling red. Exceptionally fiery, bright and effective. None better. Late midseason. 75c each, postpaid.

Unnamed varieties in pink, red, and white, 35c each; 3 for \$1.00, postpaid.



Rosea Elegans.



Edulis Superba.



Festiva Maxima.





Columbine.



Coreopsis.



Bleeding Heart.



Gypsophila.



Foxglove.

## PERENNIAL FLOWERS

Hardy Perennials appeal especially to people who do not have the time to bother with annuals that have to be reset every year. One can have a wonderful display of flowers by the use of these hardy plants, as with annuals, from the earliest in the Spring until late in Autumn. They furnish the finest cut flowers for the home. Some of the perennials bloom long before it is safe to set out annuals and they increase in splendor and beauty each year and some of the varieties will out-live several generations. These roots may be planted as early in the Spring as the ground is workable; selecting an opportunity when the soil is not cold, wet or soggy. Large clumps are not necessary nor often desirable; the smaller divisions or pot grown stock showing more thrift and virility, and developing into shapelier plants than the bulkier old roots.

**ROCKY MOUNTAIN COLUMBINE.** "The State Flower of Colorado" and one of the first hardy perennials to bloom in the Spring; the flowers are medium sized, delicate and stately, often as many as 25 well formed blooms can be counted on one clump; every garden should possess a few Columbines. Each, 20c; doz., \$2.00.

**BLEEDING HEART** (*Dielytra Spectabilis*). A hardy perennial plant with finely cut foliage, blooming early in the Spring. Flowers graceful, heart-shaped, pink and white, borne in long racemes. Each, 75c; doz., \$6.75.

**HARDY ASTERS** (*Michaelmas Daisies*). These are among the showiest of our late-flowering hardy plants, giving a wealth of bloom at a season when most other hardy flowers are past. We offer three colors only—blue, white and light lavender. Each, 15c; doz., \$1.50.

**HOLLYHOCKS** (*Double Strong Field Roots*). As a background in large borders or beds of the lower herbaceous plants there is nothing better. For planting in rows or groups on the lawn, or interspersing among the shrubbery, they are invaluable. The flowers, which are as elegant in shape as a Camellia, form perfect rosettes of the most lovely shades. Separate colors—buff, white, yellow, maroon, red, pink, bluish. Each, 15c; doz., \$1.50.

**IRIS GERMANICA.** Large flowering varieties. Excellent for either borders or massing. We carry the following colors: Blue, creamy white, purple and white, bronze, lavender, orange, yellow and purple. Each, 15c; 1 doz., \$1.50.

**ORIENTAL POPPY.** This poppy is perfectly hardy. Its large orange scarlet flowers make it one of the most showy of all plants. Each, 25c.

**HIBISCUS, Crimson Eye.** An immense white flower with a crimson eye. Perfectly hardy. Blooms freely from mid-summer until killed by frost. Each, 15c.

**DELPHINIUM** (*Perennial Larkspur*). This old-fashioned flower is highly esteemed by every lover of flowers. In perennial border planting it is indispensable.

**Belladonna.** A magnificent new variety of light blue color. 25c each.

**Bellamosa.** A very dark blue variety. 25c each.

**Gold Medal Hybrids.** Vigorous strong grower with large flowers, from lightest blue to purple. 25c each.

**GOLDEN GLOW** (*Rudbeckia*). The plant is compact, growing 6 to 8 feet high, producing numerous stems which are laden with double golden yellow flowers. Each, 15c; doz., \$1.50.

**GYPSOPHILA PANICULATA** (*Baby's Breath*). A beautiful perennial. When in bloom it forms a symmetrical mass 2 to 3 feet in height of minute pure white flowers, forming a beautiful gauze-like appearance. For cutting purposes it is exquisite, especially in combination with high-colored flowers. Each, 15c.

**GAILLARDIA GRANDIFLORA.** Beginning to flower in June, they continue one mass of bloom the entire Summer. Flowers three inches in diameter. Center dark reddish brown. Petals vary from scarlet-orange to crimson. Each, 15c; doz., \$1.50.

**COREOPSIS LANCEOLATA.** A beautiful hardy border plant. Grows 20 inches high, and produces its bright golden yellow flowers in great profusion the entire season. It makes a handsome vase flower when cut and should be grown in quantity whenever flowers are wanted for table decorations. Each, 15c; doz., \$1.50.

**HARDY PINKS** (*Dianthus Chinensis*). This old-time favorite is well deserving a place in every garden. They occupy but little space and yet produce a profusion of richly-hued flowers of delightful fragrance. Mixed colors. Each, 15c; doz., \$1.50.

**ANTHEMIS** (*Hardy Marguerite*). An excellent and profitable perennial for cutting. Its golden yellow daisy-like flowers appear in profusion all Summer. Height 18 inches. 20c each.

**CHRYSANTHEMUM** (*Hardy*). This variety of Chrysanthemum is very popular by reason of furnishing a mass of flowers for cutting when all the other outdoor flowers are gone. They are perfectly hardy and our collection includes the best varieties. Assorted colors, red, pink, white, and yellow. 25c each.

**PYRETHRUM** (*Painted Daisy*). Easy to grow and always in bloom. Flowers daisy-like and long straight stems. Colors in all shades of rose. A splendid cut flower plant. 25c each.

**YUCCA FILAMENTOSA** (*Adam's Needle*). A stately foliage and flowering plant, always conspicuous. The sword-like foliage is evergreen, the flowers pendent creamy white bells on a tall stalk. 20c each.

**SWEET WILLIAM.** Too well known to need description. A favorite. Mixed colors. Each, 15c; doz., \$1.50.

**CANTERBURY BELLS.** Wonderfully fine perennials, which will often reach 3 feet in height. Color blue, rose or white. Each, 15c; doz., \$1.50.

**TRITOMA** (*Red Hot Poker Plant*). A beautiful showy border plant producing handsome red or orange colored flowers on long stems. No other plant will produce such an abundance of blooms. It is a rare beauty and will more than repay you for your trouble. Each, 50c.

**DIGITALIS** (*Foxglove*) *Giant Shirley*. New magnificent strain of enormous flowers, colors range from white and shell pink to deepest rose. 20c each; doz., \$2.25.

**ACHILLEA** (*The Pearl*). One of the best white flowering border plants, blooms all Summer. 20c each; doz., \$2.00.

**SPIREA** (*Astilbe*). Stately perennials, producing graceful, feathery spikes of flowers during June and July. *America*. Deep pink. 65c each. *Gladstone*. White. 75c each.

**STATICE LATIFOLIA** (*Sea Lavender*). Grows 12 to 15 inches high in clumps of thick, leathery foliage, with loose panicles of tiny delicate blue flowers, in heads 15 inches or more across. 20c each.

**GYPSOPHILA ACUTIFOLIA** (*Pink Baby Breath*). Same as the white variety except for its color. 20c each; doz., \$2.20.

### HARDY PHLOXES

Among the hardy perennial plants, no class is of more importance than the Phloxes. They are of the easiest culture, flowering well almost anywhere. They embrace a wide range of color and produce a wealth of flowers throughout the season. For best results, the clumps should be divided and reset after the third year.

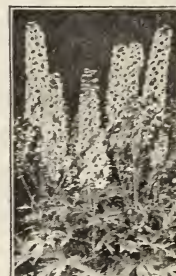
The following list contains the most desirable colors:

**BRIDESMAID.** White, crimson eye.  
**B. COMTE.** Rich purple.  
**MRS. JENKINS.** Large white flowers.  
**RHEINLANDER.** Salmon pink, claret eye.  
**RIJNSTROM.** Bright crimson-pink, immense flowers.  
**R. P. STRUTHERS.** Carmine, claret eye.  
**ECLIPSE.** Dark purple-red.  
**JOSEPHINE GERBAUX.** Bluish, pale pink eye.  
**EDMOND ROSTAND.** Reddish violet, large, white star-shaped center.

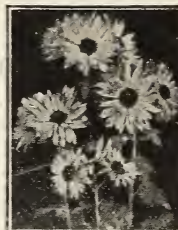
**LAVENDER.** Pure lavender. A late bloomer.  
**PLUTON.** Deep red wine.  
**PANTHEON.** Clear pink with dark eye.  
**ROBT. WERNER.** Deep bluish, bright pink eye.  
**WM. ROBINSON.** Rich salmon-scarlet. Fine.  
Price: Each, 20c; doz., \$2.25, postpaid.

### SHASTA DAISIES

**THE ALASKA** (*Burbank's*). Very easy to grow. Immense snow-white flowers 4 inches in diameter. Blooms through the entire season. The best daisy to date. Price: each, 15c; doz., \$1.50, postpaid.



Delphinium.



Chrysanthemum.



Oriental Poppy.



Hibiscus.



Tritoma.



### CANNAS

In preparing the ground for the canna, earth should be spaded at least 2 feet deep and plenty of stable manure mixed in. The root must be set about 8 to 10 inches from the surface and 2 feet apart, and then with little attention, the plants will bloom heavily.

**HUNGARIA.** The best pink canna, very compact, almost dwarf, and of a very luxuriant growth. Leaves bluish green, never burn; flowers very large with immense petals; color purest La France pink. Each, 25c; doz., \$2.50.

**KING HUMBERT.** The greatest favorite today; scarlet flowers, bronze leaves. This remarkable Gold Medal canna has been the sensation of the last few years. Each, 20c; doz., \$2.25.

**FLORENCE VAUGHAN.** Bright, rich golden yellow, spotted with red; 4 feet. Each, 15c; doz., \$1.50.

**EUREKA.** Large white blossoms on strong stems, an early sort, blooming through the entire Summer. Straight beds of this sort are very popular; 4 feet. Each, 20c; doz., \$2.25.

**ORANGE BEDDER.** Green foliage. Color bright orange with just enough scarlet suffusion to intensify the dazzling mass of color. 4 feet. Each, 20c; per doz., \$2.25.

**MRS. ALFRED CONARD.** Exquisite salmon-pink flowers of the largest size, produced in fine spikes well above the foliage. 4 feet. Each, 20c; per doz., \$2.25.

**THE PRESIDENT.** Flowers of immense size, with glowing scarlet color. Leaves rich green. 4 feet. Each, 20c; per dozen, \$2.25.



Cannas.

### GLADIOLI

One of the most attractive of summer flowering bulbs is the gladiolus. A nice feature of this bulb is the culture; it does not require very much attention and only takes the usual amount of watering that is given any ordinary garden. In setting out the bulbs, try to select a sunny spot of fairly rich soil and spade deeply, then place your bulb in firmly 4 to 5 inches from the surface.

**WILBRINCK.** Fresh pink with creamy blotches, fine; extra early.

**NIAGARA.** Beautiful creamy yellow, primrose yellow throat.

**PRINCE OF WALES.** Delicate salmon-rose of great value.

**EARLY SUNRISE.** Red, salmon-yellow throat, one of the earliest.

**L'IMMACULEE.** Pure white; medium size flowers.

**LOUISE.** Exquisite shade of bright lavender growing brighter toward center.

**BARON HULOT.** Deep rich purple.

**E. J. SHAYLOR.** A beautiful pure deep rose-pink.

**FLORA.** Fine golden yellow.



Gladiolus.

### CALADIUM - Elephant Ear

A grand tropical looking plant, sometimes used for the center of the lawn when the southern or tropical appearance is wanted for the garden. No plant or flower could give the same satisfaction as the caladium. The leaves oftentimes grow very large, measuring 3 feet long and 1½ feet wide, attaining a height from 2 to 4 feet. Large selected bulbs. Each, 20c; per doz., \$2.25.

### TUBEROSES

Grown for their fragrant spikes of heavy waxen flowers. Below we are offering two of the most commonly grown, and both are old standards of the garden.

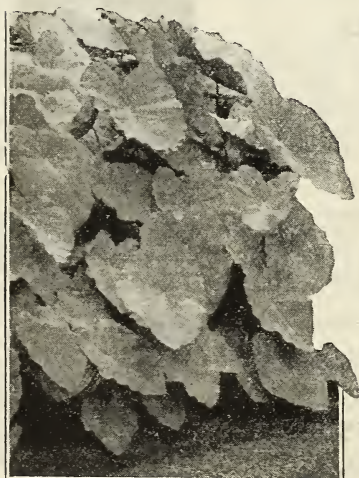
**PEARL.** Dwarf and double; white, and very fragrant.

**VARIEGATED.** Single, white; very early.

Price, either variety: Each, 10c; doz., \$1.00, postpaid.



Tuberose.



Caladium.

**ALICE TIPLADY.** Bright orange, large open flowers, fine stems.

**HALLEY.** Salmon-pink, very early.

**MRS. FRANCIS KING.** Vivid scarlet, long spikes.

**MRS. FRANK PENDELTON.** Bluish pink with brilliant carmine blotches.

Price, 10c each; any 3 for 25c; 6 for 45c; 80c per doz., postpaid.

**GLADIOLI IN MIXTURE, Special.** A choice collection of many colors in mixture, suitable for massing. 40c per doz.; \$2.75 per 100.

**OUR OWN MIXTURE.** Consisting of all good bulbs of different shades and a very good mixture. 30c per doz.; \$2.25 per 100.

### SUMMER BEDDING PLANTS

Many annuals that are used for bedding have to be started in the house or under glass in order to be ready in time for outdoor planting, so we have arranged to grow these and you may secure the plants ready to bloom. Many people do not have the time and patience to grow and care for the young plants and prefer to set the plants out and have flowers with less labor and care. We are listing below some of the popular varieties, which were grown from our best seed and are true in form and color. Ready about May 1st.

**LOBELIAS.** \$1.00 per doz.; 5 doz., \$4.50, postpaid.

**CALENDULAS.** 10c each; \$1.00 per doz., postpaid.

**CARNATION, Mixed Colors.** 15c each; \$1.50 per doz., postpaid.

**PETUNIAS, Assorted Colors.** 10c each; \$1.00 per doz., postpaid.

**VERBENAS, Mixed Colors.** 10c each; \$1.00 per doz., postpaid.

**ZINNIAS, Mixed Colors.** 10c each; \$1.00 per doz., postpaid.

**SNAPDRAGONS, Assorted Colors.** 10c each; \$1.00 per doz., postpaid.

**MARIGOLD.** 10c each; \$1.00 per doz., postpaid.

### Pansy Plants

The plants offered by us are grown from our Gold Seal mixture and produce larger flowers than any variety grown. But remember, the pansy cannot and will not live up to expectations unless placed on strong ground that has been heavily fertilized with well rotted barnyard manure, and in most cases does best in a shady location. Always remember that pansies must have plenty of water. 1 doz. plants ready to bloom, 60c; 5 doz., \$2.50, prepaid. Young plants, mixed colors, per 100, \$3.25, not prepaid.

### Aster Plants

**CREGO GIANTS.** The plants we offer are the best quality grown from the finest seed. We usually can offer them in separate colors—as crimson, pink, blue, lavender, purple or can furnish mixed colors. Price, postpaid, 60c per doz.; 5 doz., \$2.65. Ready about May first.



## Dahlias (Western Grown)

Too many people think of dahlias as the old-fashioned, either red, yellow or white stiff flowers, but, each year there has been a great improvement in dahlias, and the late creations are wonderful. Very few flowers can compare with them; such a wide range of color and shape, and the most pleasing thing about the dahlias is the never failing, wonderful results with such little care.

The sorts we are offering are of the best quality, strong and true to name. In our lists we have included the late creations of such noted dahlia specialists as Judge Marean, Wilmore and Davis.

**CULTURE.** Pick a sunny spot if possible and spade well; do not use too much manure, for a small quantity goes far with the dahlia; then lay the root on its side about 4 inches from the surface. In covering, be sure to have the soil packed firmly about the tuber or roots; plant only when the soil is dry, then water sparingly.

Some flowers like dahlias, etc., wilt or sag soon after they are cut. Ordinary precaution is daily change of water. The best treatment for these is to pick them at the coolest hour, either late at night or early in the morning. Dip two or three inches of the stems in boiling water for two or three minutes and then place in cold water in a cold place. Do not hold flowers over the hot water, but dip the stems from the side, being careful not to heat the flowers. Another success is to dissolve an aspirin tablet in the vase.

### Peony-Flowered Dahlias

- ISA. Fawn-pink, changing with age to amber-yellow. Each, 25c.  
 JESSIE SEAL. Clear old rose. Flowers very large. Each, 50c.  
 LE GRANDE LILAS. Royal Purple. A wonderful dahlia. Each, 50c.  
 SWEETHEART BOUQUET. Salmon-rose, shaded fawn. Each, 50c.  
 DIEMANT VAN BIJSTEIN. Rich lavender. Each, 25c.  
 THE ORIOLE. Gorgeous combination of orange, red and yellow tipped white. Each, 50c.  
 LA GLORIETTA. Yellow base, shading to a beautiful rosy pink. Each, 50c.  
 QUEEN ESTHER. Beautiful deep red of enormous size. Each, 50c.  
 ALBERT WARD. Deep purple, very attractive. Each, 50c.  
 NAIAD. A tinted cream-pink. Each, 50c.

### Show Dahlias

- A. D. LIVONI. Rich pink, finely formed. Each, 25c.  
 W. W. RAWSON. White overlaid with delicate lavender. Each, 25c.  
 GLOIRE DE LYON. Largest white dahlia in cultivation. Each, 25c.  
 BON TON. Ball shaped, deep garnet-red. Each, 25c.  
 HELEN HOLLIS. Orange-scarlet. Each, 25c.  
 MAUDE ADAMS. Pure white; overlaid clear pink. Each, 25c.  
 MRS. C. D. ANDERSON. Rich clear purple, of large size. Each, 50c.  
 GOLDEN OPPORTUNITY. Rich buttercup yellow, shaded burnt orange. Each, 50c.

### Pompon Dahlias

(These are the small variety—long lasting after cut).

- AMBER QUEEN. Rich clear amber. Each, 25c.  
 CATHERINE. Primrose yellow. Each, 25c.  
 JOE FETTE. A splendid new white. Each, 25c.  
 DEEDEE. A perfectly formed, pure lavender. Each, 25c.  
 NERISSA. Soft rosy pink. Each, 25c.  
 VIVID. Bright red. Each, 25c.  
 BLACKBIRD. Single, purple foliage, vivid red flowers. Each, 50c.



Peony-Flowered Dahlia.



Show Dahlia.

### Decorative Dahlias

- AMUN RA. Copper and burnt orange. Each, \$1.00.  
 BERCH VAN HEEMSTEDDE. Clear rich yellow. Each, 25c.  
 CHICOTA. Golden yellow of large size. Each, 50c.  
 DELICE. Rosy pink of perfect form. Each, 25c.  
 JUDGE MAREAN (Judge Marean Creation). Salmon-pink, orange and gold. Each, \$1.00.  
 GRAND MANITOU. Purple streaked and mottled with crimson. Each, 25c.  
 MABEL THATCHER (Judge Marean Creation). Pale yellow. Each, 50c.  
 MAID OF KENT. Intense scarlet variegated with pure white. Each, 25c.  
 MILLIONAIRE. Lavender-pink. Each, 50c.  
 MRS. J. G. CASSATT. Mauve-pink. Each, 25c.  
 MRS. HARTONG. Light fawn suffused with pink. Each, 25c.  
 MRS. I. DE VER WARNER (Judge Marean Creation). Mauve-pink. Each, 50c.  
 MRS. KARL SALBACH. Lavender-pink. Each, 50c.  
 PINK JACK ROSE. Lavender with a beautiful tint of blue. Each, 20c.  
 QUEEN MARY. Shell pink. Each, 25c.  
 VENUS (Judge Marean Creation). Creamy white suffused with lavender. Each, 50c.  
 JERSEY'S BEAUTY. A most distinctive new dahlia of a rose-pink color. Each, \$1.00.  
 GLORY OF NEW HAVEN. Large size flower of a very rare shade of soft mauve-pink. Each, 50c.  
 BEN WILSON. Orange and red, very large, free bloomer. Each, 50c.  
 J. D. LONG. Color a blending of Autumn tints of salmon, pink, amber and bronze. Each, 50c.  
 EARL WILLIAMS. Brilliant crimson-scarlet color, tipped white; early free bloomer. Each, \$1.00.  
 AVALON. Pure, clear yellow of large size. Each, \$1.00.  
 ROSA NELL. A grand Decorative dahlia of a pure bright rose color. Each, 50c.  
 CHAMPAGNE. One of the largest dahlias grown. Color of dull golden champagne varying to chamois. Each, 75c.  
 OPHIR. Color rich old gold, shading to amber. Each, \$1.00.

### Cactus Dahlias

- COUNTESS OF LONSDALE. An exquisite shade of rich salmon, apricot at base of petals. Each, 25c.  
 F. W. FELLOWS. Orange and scarlet. Each, 50c.  
 GEO. WALTERS. Salmon-pink, suffused with old gold. Each, 50c.  
 GOLDEN WEST. Old gold. Each, 50c.  
 KALIF. Nine inches in diameter; pure scarlet. Each, 50c.  
 MRS. H. J. JONES. Bright red, tipped and edged with pure white. Each, 25c.  
 RHEINKOENIG. Pure snowy white. Each, 25c.  
 SPARKLER. Brilliant rich scarlet with a golden tip to each petal. Each, 50c.  
 LEWIS, JR. Large, gorgeous velvet red, an excellent flower. Each, \$1.50.  
 BRIDE'S BOUQUET. An ideal white Cactus, early, profuse bloomer. Each, 50c.  
 BETTY AUSTIN. Yellow, blending to rosy carmine. Each, 50c.  
 ELSIE DREXLER. A deep velvety maroon of huge size. Each, 50c.  
 ESTHER HOLMES. Mauve-pink, shading to lavender. Each, 25c.  
 MARIPOSA. Beautiful pink center suffused with a faint violet. Each, \$1.00.



# WESTERN DRY LAND SEEDS

In many sections of the West the rainfall is so slight and ground moisture so little that it is impossible to grow crops of the standard grains and grasses, and the acquirement of forage in these regions is a problem. On this page and those immediately following you can learn of many crops that have proven successful and have made farming profitable in the arid regions. But do not think that their gainful use ends with the dry land areas. They can also be used to good advantage where moisture is available. And of course their production then is much more prolific.



Sudan Grass.

## FETERITA

Feterita is a native of Africa and is a leading variety in part of the Sudan region and has been grown in this country since 1906. The heads are elongated and the seeds are bluish white and slightly larger than milo. The heads are always erect. Feterita appears to be able to withstand more drought than milo and sometimes produces a crop under conditions where milo fails. It is adapted to all purposes for which the kaffirs and milos are used, and is among the earliest of the non-saccharine sorghums. This might prove very valuable as a catch crop after some earlier spring crop had failed. The grain is soft and is quite valuable for poultry feed and will sell at milo prices. It makes a heavy growth, stools heavily, as many as six to eight shoots come from a single root. For hay, plant 20 to 30 lbs. to the acre, 8 lbs. for seed. Prices, 1 lb., 15c; 5 lbs., 50c; 25 lbs., \$1.50, not prepaid. Please write for general quantity prices or submit list of your requirements for special quotations.

## SUNFLOWERS

Those who have grown sunflowers in the arid regions, both for seed and silage, are very enthusiastic over the results obtained.

Sunflower silage is very palatable. Cattle and sheep relish it, and stock will eat it as readily as they do corn silage. Sometimes in making the change from one to the other it takes a few days for stock to become accustomed to sunflower silage. Its feeding value is high. It has been found to produce as much milk and butterfat as corn.



Dwarf Crookneck Milo Maize.

Sunflowers may be sown earlier than corn as light frost does not injure them after the plants are up. But on the other hand they grow so rapidly, they may be sown as late as July 1st to 15th and satisfactory silage obtained but not mature seed when sown so late. They are often used to replant when corn has failed. On dry land, sunflowers have yielded from 3 to 8.5 tons of silage per acre and 37.6 tons per acre is one of the largest yields reported. Plant close in the drills four to five inches apart, rows thirty to forty-two inches apart and cultivate and handle similar to corn. Five to six pounds per acre is usual amount sown. Prices, 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.80, not prepaid. Please write for general quantity prices or submit list of your requirements for special quotations.



Feterita.

## MILO MAIZE

Milo Maize stalks contain practically no juice and are, therefore, not so palatable as many of the other grain sorghums, but the grain is very valuable for feeds, especially in prepared poultry feeds, and is very fattening for poultry or cattle. Sow about ten to fifteen days later than the average time for planting corn or as soon as the soil has warmed up to a considerable extent and danger of frost is over. For grain or seed, sow 5 to 6 lbs. to the acre and 20 to 30 lbs. for hay.

**DWARF YELLOW MILO.** Sometimes called in local sections, Double Dwarf, averages three feet high and has the greatest adaption and is the most valuable for the production of grain.

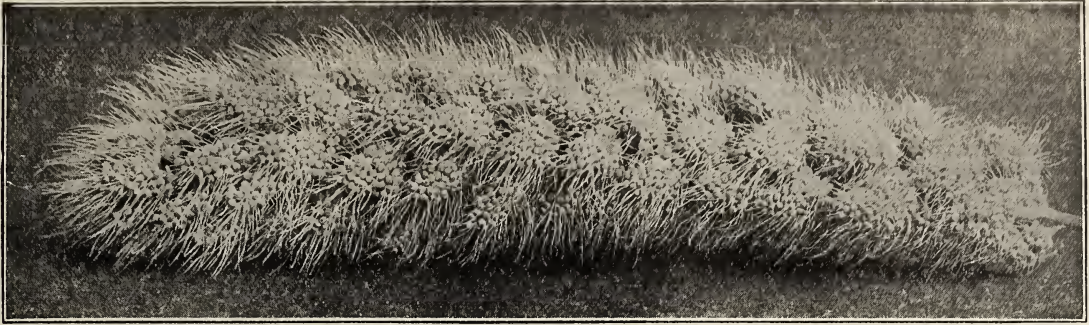
**WHITE MILO MAIZE.** This variety has white seeds as the name indicates. Does not yield as well as yellow maize and has no advantage over Dwarf Yellow Milo.

**DWARF CROOKNECK MILO.** The heads on this variety are pendant and the stalk arches to the heads like the curve on a walking cane. Grows about five feet high and produces grain abundantly. It is sometimes called Single Dwarf.

**STANDARD MILO.** Grows to a height of seven or eight feet, producing an abundance of fodder that makes excellent silage.

Prices, 1 lb., 10c; 6 lbs., 50c; 25 lbs., \$1.50, not prepaid. Please write for general quantity prices or submit list of your requirements for special quotations.





White Wonder Millet.

## WESTERN DRY LAND SEEDS

### Millet

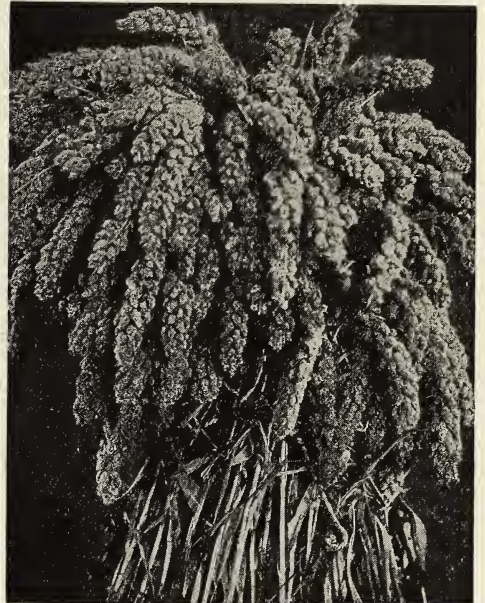
Millet is a wonderful forage and hay crop. It affords a quick, luxuriant growth of hay of good feeding value and requires no cultivation. It grows rank and tends to check weeds, and can be used in this way to good advantage in irrigated districts to clean up weedy fields. On account of the compact character of millet and the large amount of seed, a given bulk of millet hay will go farther than an equal amount of ordinary hay. Millets may be fed green or cured. The value of millets for late planting and emergency crops after others fail should not be overlooked. They can be planted late in July and still make considerable forage. Sow about thirty pounds to the acre.

**WHITE WONDER MILLET.** Two very striking features of White Wonder Millet are its extreme earliness and the size of the heads, which are from eight to eighteen inches long. The foliage is heavy, the leaves broad and it is a very heavy producer, but the fodder cures readily. White Wonder Millet crowds Siberian for first place in earliness and Big German for first place in productiveness, and has already taken the place of Common or Golden Millet. Laboratory tests show that White Wonder Millet contains a lower percentage of fiber than Hog Millet, is therefore more fattening, making the grain more desirable for feed. Prices, 1 lb., 10c; 6 lbs., 50c; 25 lbs., \$1.45, not prepaid. Please write for general quantity prices or submit list of your requirements for special quotations.

**SIBERIAN or RED RUSSIAN MILLET.** This is a very fine variety, originally imported from Russia. It is earlier than German, is extremely hardy and withstands drought wonderfully. It produces big and the forage is quite palatable. Cattle like the hay and many feeders claim that Siberian Millet is not so apt to cause abortion as other millets. The seed is borne plentifully and is readily purchased for poultry feeds. Prices, 1 lb., 10c; 6 lbs., 50c; 25 lbs., \$1.45, not prepaid. Please write for general quantity prices or submit list of your requirements for special quotations.

**HOG or MANITOBA MILLET.** This is the Proso Millet or Common Millet of the Old World, where it has been, since prehistoric times, an important grain crop for human food. In addition to the names Proso and Proso Millet, this crop is often called Hog Millet because of its frequent use as hog feed; Broom Corn Millet because of the head or panicle which somewhat resembles Broom Corn; and also Early Fortune, Manitoba and Dakota Millet.

Hog Millet seed has a slightly higher feeding value than oats and is eaten readily by all kinds of live stock and greatly relished by poultry. It is not as desirable for hay or forage as German or Siberian Millet and when desired for that purpose should be cut early. There is a good demand for the grain for feeding purposes. Prices, 1 lb., 10c; 6 lbs., 50c; 25 lbs., \$1.25, not prepaid. Please write for general quantity prices or submit list of your requirements for special quotations.



Big German Millet.

**BIG GERMAN MILLET.** Above is an actual photograph of Big German Millet—not Liberty nor Golden Millet—but True Big German. The seed we offer of this variety is true to type. Note the extremely long heads crowded full with myriad seeds. See the small stems, luscious and highly palatable, clustered thick with fine narrow leaves that all live stock relish. Without a doubt this is the leading millet for hay and forage, for general feeding, for milk production. Be sure to get the genuine Big German Seed. This seed is higher in price than other millets but it more than makes up for that in increased production.

Prices, 1 lb., 10c; 6 lbs., 50c; 15 lbs., \$1.00; 25 lbs., \$1.50, not prepaid. Please write for general quantity prices or submit list of your requirements for special quotations.

**JAPANESE or BARNYARD MILLET.** This variety is often called Billion Dollar Grass, but this high sounding title does not reduce its qualities. It is the largest growing millet and is highly recommended for feeding dairy cattle. It does best on moist, rich lowlands and does not withstand drought well. Grows from six to nine feet tall. It makes good hay and is relished by all kinds of stock.

Prices, 1 lb., 15c; 5 lbs., 65c; 10 lbs., \$1.25, not prepaid.

**HUNGARIAN MILLET.** Seed of this variety can be had at same price as Japanese Millet.

**COMMON MILLET.** The seed of White Wonder Millet is now as low priced as the seed of Common but its worth is much greater. Plant White Wonder instead of Common.

**GOLDEN MILLET.** This variety has also been supplanted by White Wonder. It is small seeded and a scant yielder and unlike the other varieties serves no distinct purpose.

#### TREATMENT FOR SMUT IN MILLETS

Soak seed two hours in Formaldehyde. One pint to forty-five gallons of water. Copper Carbonate also effective.



Hog or Manitoba Millet.



# WESTERN DRY LAND SEEDS

## SWEET SORGHUMS

The Sweet Sorghums, or Cane, are distinguished from Grain Sorghums by the sweet juices contained in their stems and by their forage producing habits. All varieties are generally grown for making hay or forage and often for filling silos.

### Black Amber Cane

This variety furnishes a large yield of nutritious foliage and has been the standard variety for many years. If intended for hay, the seed should be sown thickly; if broadcast, about one bushel per acre, and if in drills, about 30 pounds of seed will be required. This will make good, fine hay. Cut when seed is in the dough. When grown as a crop for seed, sow in drills three feet apart, using from three to five pounds of seed per acre. Cultivate as for corn. The seed has a ready market value and brings remunerative prices. In sections affected by hot, dry seasons, it is one of the safest and most profitable crops that can be grown, either for forage or for seed. Prices, 1 lb., 10c; 6 lbs., 50c; 25 lbs., \$1.50, not postpaid. Please write for general quantity prices or submit list of your requirements for special quotations.

### Red Amber Cane

This variety is similar to Black Amber, but is more leafy and is somewhat earlier. This makes it more satisfactory for a catch crop after other crops have failed. It is claimed that Red Amber makes more fodder than the Black Amber variety. Prices, 1 lb., 10c; 6 lbs., 50c; 25 lbs., \$1.50, not postpaid. Please write for general quantity prices or submit list of your requirements for special quotations.

### Early Orange Sorghum

This variety is fast gaining favor, especially where fodder is desired. It produces more fodder than Early Amber. Prices, 1 lb., 10c; 6 lbs., 50c; 25 lbs., \$1.50, not postpaid. Please write for general quantity prices or submit list of your requirements for special quotations.

### Red Top or Sumac Cane

This variety is very popular in the South and Southwest. The seeds are unlike other varieties of canes, as they shell off clean, more like the grain sorghums, and are more desirable for feeding. The plants are very leafy and sweet. It makes the most fodder and forage of any of the sorghums, and when better known by our Colorado farmers will be more highly appreciated. Prices, 1 lb., 10c; 6 lbs., 50c; 25 lbs., \$1.50, not postpaid. Please write for general quantity prices or submit list of your requirements for special quotations.

### Texas Seeded Ribbon Cane

The plant grows 10 to 12 feet tall and yields an abundance of luscious fodder, that is a very economical feed on account of its high sugar content. Many stockmen in irrigated sections sow Texas Seeded Ribbon Cane for feeding purposes. It makes syrup of a bright amber color and fine flavor, and for syrup making should be cut just before the heads ripen. Prices, 1 lb., 20c; 5 lbs., 70c; 10 lbs., \$1.00, not postpaid. Please write for general quantity prices or submit list of your requirements for special quotations.

### Sugar Drip Sorghum

There is no cane that surpasses Sugar Drip in yield of forage nor amount of syrup. A good farm mill will extract 65 per cent of the weight of the cane in syrup. But although it is a sugar cane it should not be overlooked as a forage plant. Prices, 1 lb., 20c; 5 lbs., 70c; 10 lbs., \$1.00, not postpaid. Please write for general quantity prices or submit list of your requirements for special quotations.

## GRAIN SORGHUMS

The Grain, or Non-Saccharine Sorghums, usually range in height from three to six feet and are more drought resisting than the sweet sorghums. They will grow on any land suitable for corn. Most of the varieties have dry, pithy stalks and short, narrow leaves. Others have broad leaves and juicy stalks, but the juice is usually slightly acid. All varieties in this class have large seed heads and the heads and kernels vary in size, shape, and color. Sow 3 to 6 pounds per acre in drills and 10 to 20 pounds per acre broadcast.

### Kaffir Corn Group

**WHITE KAFFIR CORN.** Grows 3½ to 5 feet tall in the dry land areas and is the earliest of all Kaffir varieties. The heads are slender and the glumes and seeds are white. The grain makes good poultry feed.

**BLACKHULL WHITE KAFFIR CORN.** Usually grows 5 to 6 feet tall in dry land areas. The leaves are 12 to 16 or more in number, 2 to 3 feet long and 3 to 5 inches wide. Heads are heavy and compact, 10 to 14 inches long, with black glumes or hulls and white seeds. Stalks are stout and contain slightly acid juice. Matures in 115 to 140 days. The grain makes good poultry feed.

**RED KAFFIR CORN.** Similar in its habits and requirements to the Blackhull variety. The leaves are narrower and the heads are longer and more slender than those of the Blackhull. Glumes are dark red to black and the seeds red. Very desirable for feeding purposes.

**PINK KAFFIR CORN.** Origin unknown, but probably a natural cross between White and Red Kaffir. Fairly early and resembles White Kaffir in growth. Heads much like those of Red Kaffir. The glumes are gray and the seeds a pale red or pink.

**SHROCK KAFFIR CORN.** Grows about four feet tall. The stalks are sweet and palatable. Horses prefer it to Sudan or cane and cattle eat it down to the roots. A very desirable crop for dry land.

Prices on all above varieties of Kaffir Corn, 1 lb., 10c; 6 lbs., 50c; 25 lbs., \$1.50, not prepaid. Please write for general quantity prices or submit list of your requirements for special quotations.

### Johnson Grass

It does magnificently in the North, and sometimes makes 4 tons of good hay per acre. The roots of Johnson Grass are easily killed by cold weather, and exposure of the roots, and late fall or winter plowing will effectually eradicate it whenever freezing cold weather occurs. Prices, 1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.75, not postpaid. Please write for general quantity prices or submit list of your requirements for special quotations.

### Broom Corn Group

The Broom Corns are distinguished by their dry, pithy stalks and by their long, loose, open heads called brush. The heads, which are the important part of the crop, are used in making brooms and brushes. Plant about June 1st in rows 3½ feet apart using about 8 lbs. of seed per acre.

**OKLAHOMA DWARF EVERGREEN.** Grows about five feet high and is earlier than any other variety. Succeeds well on dry land and produces a large yield of fine brush.

**SCARBROUGH DWARF.** This variety is fast supplanting all others with growers who market brush. It is similar in growth to the Oklahoma Dwarf Evergreen with the exception that practically all the seed grows in a ball on the top of the brush. This characteristic simplifies seeding operations and enhances the value of the brush. Prices on all above varieties, 1 lb., 15c; 5 lbs., 65c; 10 lbs., \$1.25, not prepaid. Please write for general quantity prices or submit list of your requirements for special quotations.

### TREATMENT FOR KERNEL SMUT IN SORGHUMS

Add one pint formaldehyde to thirty gallons of water. Soak seed one hour and dry. Or dust with copper carbonate, using two to four ounces to the bushel.



Black Amber Cane.



Texas Seeded Ribbon Cane.





# Western Alfalfa Seed



Alfalfa has done more to increase farm values in Colorado, Utah and Wyoming than all other crops combined. It will grow in any state of the Union, and is a valuable and profitable forage producing crop.

Alfalfa succeeds well in almost every situation, but the richer the soil, the better. After once a stand is obtained, it is very easily grown. In the West it is the main crop for hay, averaging three to five crops each season, which when fed to dairy cows, produces a fine flow of milk. Is equally good for sheep, and other stock. When it is ground into meal, it can be fed to hogs and chickens with favorable results. It is often sown with orchard grass and the mixture produces fine hay.

## NORTHERN GROWN ALFALFA SEED

A great many planters lose their fields of alfalfa on account of winter-killing. This is sometimes due to the fact that they have planted southern grown seed, produced from plants that never have withstood real cold weather.

To help to overcome this condition, we offer seed grown in northern latitudes for use in localities requiring hardy seed. And as a further precaution we recommend Grimm alfalfa seed for sowing in such localities. Our Bulletin, "Why Does Alfalfa Winter-Kill?" mailed free, on request.

## HIGH ALTITUDE ALFALFA

This is a special strain of mountain grown seed produced in our high mountain valleys where alfalfa is put through the severest test of winter and the coldest weather. Most of the other varieties will winter-kill, but this grade usually survives and produces good yields of hay during the Summer.

The seed is usually very pure and of strong germination. This assures you a good stand the first year. As there is never a large quantity of seed grown in the mountains our supply is always short. We highly recommend this seed.

## DRY LAND ALFALFA

Dry Land Alfalfa Seed is produced from plants cultivated on arid lands without irrigation with a limited amount of rainfall. This seed has more or less drought resisting ability.

The increase in our yearly sales on Dry Land Alfalfa stands as a convincing proof that this variety is giving the desired results.

## EXPLANATION OF GRADES

In addition to being able to supply alfalfa seed adapted to climatic and geographic conditions we can also furnish same in different grades.

Grade No. 1—or Gold Seal, is selected and graded for perfect seed of perfect color and is of high purity and good germination. This is really the best and cheapest grade to plant.

Grade No. 2—or Fancy, is a fancy looking grade but contains brown seeds that ripened early and acquired a brown appearance before the balance of the seeds matured. The purity and germination is good and good stands will be obtained.

Grade No. 3—or Choice. This is a grade of seed that cannot be worked up into either of the higher grades. It contains more inert matter and foreign seeds, and as a consequence must be sold at lower price. However, a larger quantity of seed per acre is required.

Grade No. 4—Special. In cleaning alfalfa seed there is always an accumulation of light seeds and inert matter that contains considerable good seed that cannot be extracted. With a slight increase over the usual quantities sown, this grade of seed will produce good stands. It can be bought at a reasonable price, but as the stocks vary and are constantly changing, we prefer to send samples and prices.

## PRICES

	Lb.	5 lbs.	10 lbs.
Grade No. 1, Gold Seal .....	\$0.50	\$2.00	\$3.50
Grade No. 2, Fancy .....	.40	1.75	3.00
Grade No. 3, Choice .....	.30	1.35	2.50
Grade No. 4—Write for prices and samples.			

## Grimm Alfalfa

To the casual observer Grimm Alfalfa does not differ materially from the common strains, but close examination will reveal a great diversity of forms, upright and prostrate individual plants often occurring side by side. In 1905 the United States Department of Agriculture began experimenting with Grimms and in practically every case it has proven itself the equal to any, if not superior to all, in hardness. The Grimm variety is distinguishable from the Common by its variegated blooms—a large percentage are purple but there are a few that are greenish, smoky or blackish and occasionally a yellow flower will be found. The taproots show a tendency to branch and the crowns to be low set and spreading; characters which are undoubtedly of great importance in rendering Grimms resistant to cold.

**CERTIFIED GRIMM ALFALFA.** Certified Grimm Alfalfa is sealed and tagged by state officials in 25-lb., 50-lb. and 100-lb. sealed bags. We cannot break the original containers and furnish Certified Grimm Seed under official seal. Prices, not prepaid: 25 lbs., \$12.50; 50 lbs., \$24.00. Please write for general quantity prices or submit list of your requirements for special quotations.

**AFFIDAVIT GRIMM.** This is seed of Grimm origin and the plants show true Grimm characteristics but growers have failed to obtain inspection or to maintain proper records, so we can only furnish copy of grower's affidavit from the original affidavit on file in our office. Prices, not prepaid: 1 lb., 45¢; 5 lbs., \$2.25; 10 lbs., \$4.00. Please write for general quantity prices or submit list of your requirements for special quotations.

Under supervision of the U. S. Department of Agriculture, we are authorized to issue verified-origin seed certificates for alfalfa, the locality of production of which has been verified by a Federal seed inspector.

Alfalfa, clovers, soy beans, vetches, peas, beans, cowpeas, peanuts and other legumes should always be inoculated with McQueen's Inoculator. The lack of necessary bacteria in the soil is often the cause of a poor legume crop—a weak start—or a total failure. See page 87.



Alfalfa.



# Western Clover Seed

Clovers, being leguminous crops, are soil builders and are very useful for the farm or ranch. They are used for mixtures of hay and pasture as well as sown alone. The different kinds grown in the West are fully described below. The best variety for your land can be readily chosen from these descriptions.

## White Blossom Sweet Clover

*Melilotus Alba* or White Blossom Sweet Clover, or Bokhara Clover, as it is also called, is a hardy biennial plant, erect and branching in growth. It starts up very early in the Spring and in its second year it reaches a height of from 5 to 12 feet.

It seems to grow in all climates and with little regard to the character of the soil. It is found growing in gravel pits, heavy clay soils and sometimes in almost pure sand. And when planted in ground containing alkali, for one or two seasons, it leaves the soil fertile. Not particular as to moisture, it stands more dry weather than alfalfa.

It sends its roots to a great depth. It is a legume like red clover and cow peas, and, like these plants, has the faculty of extracting nitrogen from the air and storing it up in the roots, thus fertilizing the soil for the use of succeeding crops.

It is a valuable forage crop; while some animals refuse it at first because of its peculiar taste and odor, they soon learn to like it and thrive on it. In food value it does not differ greatly from alfalfa. For hay it should be cut early and is handled in much the same way as alfalfa. A second cutting can usually be secured 40 to 60 days later, if not pastured. It is also used to some extent as an ensilage crop, put into the silo and fed successfully in this way.

After the corn has been laid by scatter sweet clover between the rows, covering it light with a drag such as the branch of a tree or a small bush. If conditions are right, the increased yield of corn, the Fall pasturage from the clover, the green manure to be plowed under in the Spring as food for the succeeding crop, will make the planting well worth while. Try it and you will be a sweet clover fan.

Prices, Hulled—1 lb., 20c; 5 lbs., 75c. Scarified—1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.50, not postpaid. If wanted by parcel post add postage. Please write for general quantity prices or submit list of your requirements for special quotations.

## Yellow Blossom Sweet Clover

*Melilotus Officialis* or Yellow Blossom Sweet Clover is similar to the White Blossom, and will grow on almost any kind of soil. It is more spreading in habit and does not grow as tall and large as the White Blossom, and for that reason makes a finer and more tender hay. Cattle prefer it to any other sweet clover. It is ten days earlier than White Blossom and on that account is given preference for planting in high altitudes, and is highly recommended for pastures and used in pasture mixtures. See Morton's Pasture Mixture, page 74. Do not confuse this biennial variety with Annual Yellow Blossom Sweet Clover. Prices, Hulled—1 lb., 20c; 5 lbs., 75c. Scarified—1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.50, not postpaid. If wanted by parcel post add postage. Please write for general quantity prices or submit list of your requirements for special quotations.

## Hubam Sweet Clover

Hubam Clover is an annual plant with a white blossom. It is a wonderful fertilizer, adding nitrogen and humus to the soil and making a splendid Summer and Fall pasture. It is a rich hay crop and a wonderful honey producing plant. It grows 3 to 7 feet high in 4 to 7 months after planting and seems to thrive well in every state. Sow 12 pounds per acre broadcast or 3 pounds in cultivated rows in the Spring. Prices, 1 lb., 40c; 5 lbs., \$1.90; 10 lbs., \$3.50, not postpaid.

## Grundy County Sweet Clover

Is a biennial plant with white blossoms. It matures earlier than the ordinary White Sweet Clover and is dwarf and consequently makes fine hay. It is a good soil improver and stands the Winter well. Prices, 1 lb., 20c; 5 lbs., 75c. If wanted by parcel post, add postage. Please write for prices on large amounts.

## Medium Red Clover

Red Clover (*Trifolium pratense*) can be seeded any time from April to October, at the rate of 15 pounds to the acre, and makes a fine early spring pasture. Red Clover is a legume and is therefore a fine soil builder. The hay is fine for all kinds of stock. It can be planted with numerous grasses when hay or pasture is desired, for hay produced from Red Clover is very nutritious and fattening. The seed we are offering is very pure and free from all injurious weed seed. Prices, 1 lb., 55c; 10 lbs., \$5.00, not postpaid. Please write for general quantity prices or submit list of your requirements for special quotations.



Medium Red Clover.

### SOIL FERTILITY

Inoculate your Alfalfa, Sweet Clover, Soy Beans, Vetch, Peas, Beans, Clovers and all other legumes (pod-bearing plants), with McQueen's Guaranteed Inoculator.

Inoculation hastens maturity, increases the crop, improves its quality, enriches the soil and saves fertilizer bills.



White Blossom Sweet Clover.

## White Dutch Clover (*TRIFOLIUM REPENS*) OR LAWN CLOVER

A small, close growing, useful clover of unusually dwarf habit, used extensively in the making of lawns. In fact, no lawn seems just right unless it has a sprinkling of this little white-blossomed clover mixed through it. It is a rapid grower of spreading habit, and can be cut very close to the ground without injury to the plant, which after cutting, will start making another growth at once.

When used in a mixture for lawns, use two parts of White Clover to ten parts of Kentucky Blue Grass. For pastures, use 10 to 12 pounds of White Clover mixed with 20 to 25 pounds of grass seed to the acre. This will give an excellent stand that will form a heavy sod that is almost impossible to stamp out. Prices, 1 lb., 55c; 5 lbs., \$2.50; 10 lbs., \$5.00, not postpaid. Please write for general quantity prices or submit list of your requirements for special quotations.

## Alsike Clover (*TRIFOLIUM HYBRIDUM*)

This is undoubtedly the best high altitude clover for hay and is planted extensively throughout the Rocky Mountain regions where alfalfa often winter-kills. Although not a very heavy yielder, it bears a very thick growth of leaves and blossoms on thin stems, making it a valuable forage crop. When grown alone will make a fair stand the first year, but the second and succeeding years the best results are obtained. Many of our stockmen who raise hay have made it a practice to plant timothy with the alsike and they reap the finest and most nutritious hay ever fed in the Rockies. The seed we offer is hardy. It was grown in the high altitudes of our mountains where the seasons are short. This makes it pure because the foul seeds that you so often find mixed with the alsike cannot grow in these altitudes. One ton of alsike contains more protein than one ton of alfalfa. Prices, 1 lb., 50c; 10 lbs., \$5.00; 25 lbs., \$11.25, not postpaid. Please write for general quantity prices or submit list of your requirements for special quotations.

## Mammoth Red Clover

Especially adapted for poor ground and will produce more hay or forage than any clover in the same length of time, but only affords one cutting. It is used mostly for building up run down farms. 8 to 10 pounds of seed to the acre will give you an excellent stand.

This is also a pasture clover and is especially valuable on light, sandy soil, supplying excellent grazing, makes good hay if cut when young, but if left too long the stems become thick and woody. Mammoth Red Clover is very valuable for fertilizing purposes, for it restores fertility to depleted soils. The foliage, flower and stem are darker in color than Medium Red Clover. For pasture this clover is hard to beat, being a vigorous grower. Prices, 1 lb., 55c; 10 lbs., \$5.00, not postpaid. Please write for general quantity prices or submit list of your requirements for special quotations.



# Western Grasses for Pasture and Hay

## Brome Grass

**BROMUS INERMIS** or **HUNGARIAN BROME GRASS**. Stands excessive drought and extreme cold weather without injury. It is a vigorous, hardy perennial with strong creeping root stalks; smooth, upright, leafy stems, one to four feet high, and loose, open seed heads, four to eight inches long. In a few years it forms very tough sod soon crowding out other grasses, clovers, and weeds. Its remarkable drought-resisting qualities have proved it to be the most valuable grass for dry regions where other grasses would hardly exist. It is thoroughly permanent and grows with wonderful rapidity, producing heavy crops and luxuriant pasture. Its value to the farmers of dry regions cannot be over-estimated. All kinds of stock eat it with relish and chemical analysis shows that it is richer in flesh-forming ingredients than timothy. It starts to grow very early in the Spring, before any of the grasses upon native prairies show any signs of life, and remains green far into December. Our seed is northern grown and should not winter-kill in Colorado. Without doubt it is the grass for dry regions of the West; also flourishes on wet lands. Prices, not prepaid: 1 lb., 25c; 5 lbs., \$1.15; 10 lbs., \$2.10; 25 lbs., \$5.00. Please write for general quantity prices or submit list of your requirements for special quotations.

## Meadow Fescue or English Blue Grass

**FESTUCA PRATENSIS**. One of the grasses most used in permanent or temporary meadows for mowing or for pasture. It succeeds best in cold, moist, light soils, in well-drained meadows and in low valleys rich in organic matter. It should not be grown at all on warm dry land. It does not reach its full development till the second or third year. After being mown, it grows again very quickly. The forage, either green or dried, is very nourishing and much relished by cattle, especially when cut young.

It will produce a green lawn where Kentucky blue grass would fail, and many prefer it to any other grass for this purpose, but it should be sown very thick, 2 lbs. to 100 square feet will make fine turf. Meadow Fescue is also known as *Festuca Elatior*, *Herbi Prateii*, or *Tasmanian blue grass*. Price, not prepaid: 1 lb., 40c; 5 lbs., \$1.75. Please write for general quantity prices or submit list of your requirements for special quotations.

## Timothy (PHLEUM PRATENSE)

The most popular of all grasses that are used for hay purposes. It requires less in time and expense to secure a crop of timothy than almost anything else you can plant. It is easy to sow; does not require much seed per acre; starts growing quickly; easy to harvest, and above everything else, it is easy to sell timothy hay.

Timothy is not a dry land grain but will do fairly good on any soil that can be irrigated, or that is naturally damp. And when planted on clay or heavy soil an extra heavy yield may be expected.

Timothy hay has a high feeding value when it is cut early while still in bloom, or shortly afterward. The average yield of timothy is two or three tons per acre. Only ten pounds of Gold Seal timothy is required to plant an acre. Prices, not prepaid: 1 lb., 15c; 5 lbs., 70c; 10 lbs., \$1.30; 25 lbs., \$3.00. Please write for general quantity prices or submit list of your requirements for special quotations.

## Red Top (AGROSTIS ALBA)

A valuable grass for moist soils and low land. It is a good permanent grass standing our climate as well as any other, and consequently well suited for pastures, in which it should be fed close, for if allowed to grow up to seed the cattle refuse it. On rich, moist soil it will grow 2 feet and on poor soil about half that height. Red Top grass grows rapidly and often thrives where Kentucky blue grass fails, so it is used straight for lawns and in lawn grass mixtures. Prices, not prepaid: 1 lb., 35c; 5 lbs., \$1.50. Please write for general quantity prices or submit list of your requirements for special quotations.

## Orchard Grass (DACTYLIS GLOMERATA)

Orchard grass is a valuable grass for pasture or hay land on account of its earliness. It is very well adapted for permanent pasture. When grown for hay, more than one crop can be obtained in one season, but when only one crop is cut the undergrowth is very heavy and gives splendid and rich pasture until late in the Fall. It will stand drought and is hardy. It grows in tufts, and is therefore best sown with red clover or alfalfa. It is well suited for shady places, such as orchards and groves. Grows in all kinds of land, but does best on deep, rich, sandy loam or clay soils. Price, not prepaid, 1 lb., 30c; 5 lbs., \$1.45; 10 lbs., \$2.50; 25 lbs., \$5.50. Please write for general quantity prices or submit list of your requirements for special quotations.



Meadow Fescue.



Orchard Grass.







## Grasses for Many Purposes

### Alsike and Timothy Mixed

In cleaning timothy for seed there is always a certain amount of mixed clover and timothy that is taken from the timothy, as it is impossible to separate the two by machinery. So we are offering you a mixed seed, consisting of about 25 per cent of alsike clover and about 75 per cent of fancy timothy seed. To those who are going to plant timothy and clover together, money can be saved by buying this seed, for it is much cheaper already mixed. An excellent stand can be secured by planting 12 to 15 pounds of this mixture. Alsike and timothy hay is much richer in feeding value than timothy alone, for alsike is one of the best clovers for hay, being finer and more leafy than other sorts. Prices, not prepaid: 1 lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.25; 25 lbs., \$5.00. Please write for general quantity prices or submit list of your requirements for special quotations.

### Western Wheat Grass AGROPYRUM TENERUM

This is the valuable plant that grows wild over our western country and thrives well in Colorado, Wyoming, New Mexico, and North Dakota. It is the famous bunch grass of the Canadian Northwest. It is one of the best and is the surest hay grass for these sections. It produces large quantities of hay and makes excellent permanent pasture. It, like the wild buffalo grass, is the natural grass of the West and particularly adapted to our prairie soils. It also does well on land impregnated with alkali. It withstands drought and the cold winters. As a mixture it does fine with Brome grass. Fifteen pounds of seed is usually sown to the acre, and if planted with Brome, 7½ pounds to the acre. The seed being quite heavy, may be sown with any ordinary grain seeder. Plant 1 to 3 inches deep.

Prices, not prepaid: 1 lb., 20c; 5 lbs., 90c; 10 lbs., \$1.50. Please write for general quantity prices or submit list of your requirements for special quotations.

### Sheep's Fescue (FESTUCA OVINA)

is a bunch grass, growing in tufts 3 to 6 inches in diameter, with wirelike leaves 2 to 4 inches long, of bluish gray. When mixed with other grasses it is excellent for fairways on poor sandy soils. Sown alone it is too bunchy. Price, not prepaid: 1 lb., 50c; 5 lbs., \$2.40; 10 lbs., \$4.50.

### Hard Fescue (FESTUCA DURIUSCULA)

A variety of sheep's fescue. Leaves broader, wirelike, not flat. Grows in bunches if sown alone. Will thrive on thin, sandy soil and is used for the "rough." Price, not prepaid: 1 lb., 50c; 5 lbs., \$2.40; 10 lbs., \$4.50.

### Chewings Fescue (FESTUCA CHEWINGS)

This grass spreads out, forming a plant one foot in diameter, making a solid compact turf of a dark green color. It grows exceedingly well on soils of a sandy nature and is now recognized as one of the leading grasses for putting greens. Prices, not prepaid: 1 lb., 60c; 5 lbs., \$2.90; 10 lbs., \$5.50.

### Rough Stalked Meadow Grass (POA TRIVIALIS)

A spreading, thickly matted grass with narrow leaf blades, flat and dark green in color. Forms a fine turf and is suited for moist and shady situations and stiff clay soil. Used for fairways under trees. Price, not prepaid: 1 lb., \$1.00; 5 lbs., \$4.85.

### Mountain Meadow Mixture

Will do well in high altitudes, making a heavy, thick sod that withstands the severe colds. Can be sown in the Fall or Spring, using about 25 pounds to the acre. On account of its rapid growth satisfaction is attained the first year. An excellent sort for mountain meadows and high lands. If allowed to grow, it will produce a fine crop of clean, nutritious, well-proportioned hay, which may be cut and cured for winter use and the field can be pastured without injury to the next year's crop. Prices, not prepaid: 1 lb., 40c; 5 lbs., \$1.75; 10 lbs., \$3.25; 25 lbs., \$7.50. Please write for general quantity prices or submit list of your requirements for special quotations.

### Morton's Pasture Mixture

The Colorado Agricultural College recommends the following ratio for a well-balanced permanent pasture mixture and gives these quantities as the proper amounts to sow per acre, reseeded the clover every two years:

	Pounds
Orchard Grass .....	15
Brome Grass or Bromus Inermis .....	15
Meadow Fescue .....	10
Timothy .....	6
Yellow Blossom Sweet Clover .....	4

Total, per acre ..... 50

These seeds should not be mixed before sowing. Sow the grass seeds separately from the timothy and clover. The better the quality of the seeds used in the mixture the better the stand obtained.

### Mixture for Alkaline Lands

Experiments conducted under supervision of the Department of Botany of the Colorado Agricultural College have shown that the following mixture gives fine results on lands infested with alkali:

	Pounds
Yellow Sweet Clover (Melilotus Officialis) .....	6
Slender Wheat Grass or Western Wheat Grass (Agropyrum Tenuatum) .....	8
Meadow Fescue or English Blue Grass .....	6
Brome Grass or Bromus Inermis .....	6
Red Top .....	4

Total Pounds per Acre ..... 30

This mixture has done well under very severe conditions.

### Cocoas Bent Grass (AGROSTIS MARITIMA)

This is also known as Seaside Bent or Oregon Bent. It is a true creeping bent, a native of our western coastal regions and is used on the putting greens of golf courses. It is a rapid grower, heals quickly, and is capable of resisting severe drought, coming quickly to life as soon as moisture is supplied. Prices, not prepaid: 1 lb., \$1.75; 5 lbs., \$7.50. Please write for general quantity prices or submit list of your requirements for special quotations.

### Better Seeds—Better Crops. Better Pastures—Better Stock.

If cattle are eating quietly instead of hunting for feed, their gain will be quicker with more profit. Good pastures will also turn dairying into a profitable business. Arrange to have better pastures and better stock.





# Western Lawn Grass Seed

## HOW TO MAKE A LAWN

If a lawn is to be established about a new dwelling and such land is covered by clay from excavations and by refuse from building operations, it will be necessary to remove a portion of this sterile soil and replace it with good, fine, loamy soil to a depth of at least a foot. Work into this soil a liberal quantity of pulverized sheep manure, about 100 pounds to 1,000 square feet. This fertilizer is as fine as the soil and it supplies nitrogen; the food necessary for a quick, sturdy growth of grass. It is better to use pulverized manure as it can be easily incorporated in the soil, and the plant food it contains is quickly available, but there are other fertilizers that may be used.

The seed will germinate quicker if subsurface moisture has been established by thoroughly wetting the soil at intervals of a few days before the seeding. After this has been done and the ground leveled off even with the walks, rake the surface, making it finely pulverized, then roll or tamp the ground and sow the seed, using one pound to 100 square feet.

Select good Kentucky blue grass. It makes a nice, velvety lawn. But some people prefer a sprinkling of white clover. This is a very fine seed and one pound of white clover to four pounds of blue grass is a suitable ratio. In shady places and north exposures, Kentucky blue grass does not do so well and harder grass may be required.

After spreading the seed as uniformly as possible rake it in lightly, but see that the seeds are all covered. Then firm the soil. This is best accomplished by rolling. If no roller is available, tamp the soil.

It is now a good idea to spread a mulch of pulverized sheep manure, or other fine manure, over the surface of the newly-made lawn. This helps to retain the moisture and prevents the soil from crust- ing after irrigation. The young blue grass plant is not strong

enough to break a heavy crust. This is the cause of many failures to secure a stand of grass.

Commence watering as soon as the seed is sown. It is best to wet the soil thoroughly at intervals of a few days, rather than to sprinkle lightly every day. Watering in the evening after the heat of the day is past is most efficient. Use a very fine spray. A mist is best, and do not, under any circumstances, use a heavy stream, or else the seed will be washed out.

Seeding may be done in the Spring, early enough to permit the plants to establish some root growth before real hot weather commences. Successful planting can be made in August and September.

To secure a soft, even, elastic surface, a lawn should be frequently mowed, but it should not be cut very close at first as this will expose the roots to the sun. It is best to cease mowing in the Fall before the winter's cold sets in so that the roots may be protected by a moderate growth of foliage.

Lawns will naturally run out and need to be replenished. Each Spring, rake in some new seed. A thick turf makes a finer looking lawn and it is harder for weed seeds to get a start when there are no open spaces between the tufts of grass. They do not have as good a chance to take root.

## Fertilizing

Every lawn needs an annual dressing of fertilizer. Bone meal and pulverized sheep manure are put up in convenient form to handle. They are excellent substitutes for stable manure, do not add a crop of weed seeds to the lawn, and are not unsightly and obnoxious. Some kind of plant food should be applied early every season so that the spring snows and spring rains will carry the fertilizing elements down to the grass roots, where they will do the most good.

## Kentucky Blue Grass (POA PRATENSIS)

Makes by far the most beautiful lawn. It is often planted in conjunction with white clover. If sown by itself for a meadow or pasture, sow about 28 pounds to the acre. When planted for lawn, about 150 pounds to the acre, or one pound to every 100 square feet.

This makes the best, sweetest, and most nutritious pasture for all stock. It is the first to start up in the Spring and remains green until snow flies in the Fall. It is very hardy and is uninjured by cold, hot sun or tramping of hoofs. The roots are so thick and stout that they form a tough sod. It is often sown in a mixture. It will do well on almost any land. Prices on best grade, not prepaid: 1 lb., 55c; 5 lbs., \$2.35. Please write for general quantity prices or submit list of your requirements for special quotations.

## Emerald Lawn Mixture

An unrivaled mixture of the purest and cleanest seed. It contains only the highest grade of grasses suitable for the purpose of making a beautiful, durable, and lasting lawn. Our Emerald lawn grass germinates quickly, roots deeply, withstands the extreme heat of Summer and the severe cold of Winter; makes a beautiful, rich, green, lasting lawn. Prices, not prepaid: 1 lb., 40c; 5 lbs., \$1.75; 10 lbs., \$3.50; 25 lbs., \$7.50. Please write for general quantity prices or submit list of your requirements for special quotations.

## English or Perennial Rye Grass (LOLIUM PERENNE)

Rye grass, like Kentucky blue grass, forms a dense, even sod, and grows so quickly that by its use a fine lawn may be had in six weeks from sowing. It makes a quicker, leafier growth than any other grass, succeeds in the shade as well as in the sun, and may be sown with good results in orchards or woodland pastures. Prices, imported seed not prepaid: 1 lb., 25c; 5 lbs., \$1.15; 10 lbs., \$2.00; 25 lbs., \$4.85. Please write for general quantity prices or submit list of your requirements for special quotations.

## South German Creeping Bent Grass (AGROSTIS SPECIES)

As this grass is low growing or creeping in its habits, spreading by means of runners, it tends to form a close, heavy, velvety turf that can be cut close without spoiling the appearance of the lawn. These characteristics help it to smother dandelions, weeds, and crab grass and it is being used for that purpose. Prices, not prepaid: 1 lb., \$1.25; 5 lbs., \$5.50. Please write for general quantity prices or submit list of your requirements for special quotations.

## Canada Blue Grass (POA COMPRESSA)

Somewhat resembles Kentucky blue grass, but does not grow so tall. It is grown very extensively in Canada and is especially adapted to our western country. It will stand more drought and is more hardy than Kentucky blue grass; thrives on most all kinds of soils. As it is a native Canadian grass, it stands the cold, severe Winter. It makes excellent lawns and pastures, but when planted for pasture is usually sown with other grass seed. Prices, not prepaid: 1 lb., 40c; 5 lbs., \$1.75.

## White Dutch Clover (TRIFOLIUM REPENS) OR LAWN CLOVER

A small, close growing, useful clover of unusual dwarf habit, used extensively in the making of lawns. In fact, no lawn seems just right unless it has a sprinkling of this little white-blossomed clover mixed through it. It is a rapid grower of spreading habit, and can be cut very close to the ground without injury to the plant, which, after cutting, will start making another growth at once.

When used in a mixture for lawns, use two parts of White Clover to ten parts of Kentucky Blue Grass. For pastures use 10 to 12 pounds of White Clover mixed with 20 to 25 pounds of grass seed to the acre. This will give an excellent stand that will form a heavy sod that is almost impossible to stamp out. Prices, 1 lb., 55c; 5 lbs., \$2.50; 10 lbs., \$5.00, not prepaid. Please write for general quantity prices or submit list of your requirements for special quotations.

## Bermuda Grass (CYNODON DACTYLON)

A southern grass with dwarf habits, long creeping stems rooting at the joints that cover the ground with a matting of fine turf. Not suited for northern latitudes. Price, not prepaid: 1 lb., 50c; 10 lbs., \$4.50.

## Colonial Bent Grass (AGROSTIS TENUIS)

This is a very fine leaved grass that grows quite dense and compact. By some authorities it is considered the best type of the bent grasses for lawn making. It is now being used on golf courses and thrives under restricted water supply. Prices, not prepaid: 1 lb., \$1.50; 5 lbs., \$6.25; 10 lbs., \$11.50. Please write for general quantity prices or submit list of your requirements for special quotations.

## Golf-a-Lawn (AGROSTIS SP.)

An improved, selected strain of Seaside Bent, grown in Oregon, and shipped to us in sealed bags. Prices, not prepaid: 1 lb., \$2.25; 5 lbs., \$11.00.





## Western Seed Wheat

### Marquis Wheat

Is a very early, beardless, hard, red, spring wheat, very productive. It has higher milling and baking qualities than most of the varieties of spring wheat known today, and will almost always grade No. 1.

Besides being about 10 days earlier than most spring wheats it generally outyields them and has been known to produce 45 to 60 bushels per acre.

As it is short, stiff strawed, it is not likely to lodge and stands up well under irrigated conditions in Colorado. The grain is plump and of a dark red appearance. Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c. Please write for general quantity prices or submit list of your requirements for special quotations.

### Kitchener Wheat

Kitchener wheat is a new type of spring wheat that originated in 1911 in Saskatchewan, Canada, from a single plant selection from Marquis. It is an absolutely new and distinct variety. Large, plump berries are carried on multitudes of uniform stems of exceptional length and strength. This carries the head and straw very erect and prevents the wheat from leaning over. The wheat is very vigorous and ripens about the same time as Marquis, but the grains are larger, fuller, and plumper. It is easy to thresh. It has given good results in districts of light rainfall and has suffered less damage from hail than other varieties. In Saskatchewan yields of 63 and 80 bushels per acre have been recorded.

In normal seasons it is a sure indication that the crop is ready to be cut when it shows a purple band of color below the head and another near the ground, although the head and the rest of the straw show some green.

Sow 20 to 30 pounds on dry land and 70 to 75 pounds on irrigated land. Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c. Please write for general quantity prices or submit list of your requirements for special quotations.



Kitchener Wheat,

### Defiance Wheat

The old standard variety of spring wheat planted extensively in the Middle West as the main crop wheat. The Defiance is a perfect wheat with extraordinarily heavy yielding qualities. The kernel is plump, and if harvested before being allowed to over-ripen, it never shells out of the hull. The stalk is medium in height and makes excellent straw. It is not termed a dry land wheat, but oftentimes good yields are reported from dry lands. Defiance is considered one of the best milling varieties grown. It is beardless. Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c. Please write for general quantity prices or submit list of your requirements for special quotations.

### Macaroni or Durum Wheat

This wheat grows very strong and with surprising rapidity, so rapidly as to get ahead of the weeds, and not only are the growing qualities in its favor but it is also a heavy yielder. Macaroni wheat produces as good a yield of grain to the acre as most any other variety. It does not shell or bleach and is hail proof to a certain extent, owing to the tightness of the hull. It is not a milling wheat, but is grown only where other varieties do not mature or thrive, or when feed is wanted. The straw makes excellent fodder, and this wheat very seldom fails to produce grain even on our dry lands where it has won the favor of the dry farmers as a sure wheat crop. It has a very hard kernel and is known as a glue wheat, and is bearded. Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c. Please write for general quantity prices or submit list of your requirements for special conditions.

### Turkey Red Winter Wheat

A standard red bearded wheat with very strong straw. It is early, ripening before rust and insects appear. Average yield is 30 to 40 bushels to the acre. The kernels are large, red, and hard, and it is in good demand by millers and most always grades No. 1. Prices will be supplied upon request throughout the Summer. Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c. Please write for general quantity prices or submit list of your requirements for special quotations. We can also supply Beardless Turkey Red, Winter Wheat at same price as the bearded variety.

### Kanred Winter Wheat

Kanred wheat is the product of a single head of wheat selected in 1906 from a hard winter variety that had been introduced from Russia by the United States Department of Agriculture.

An early maturing wheat generally makes a bigger yield, as it escapes the hot winds and drouth, occasional rust, and is generally harvested before the season for hail. On the whole, it can be said that as far as known, Kanred always ripens earlier than Turkey red.

Careful experiments by agricultural experiment stations show that Kanred is markedly resistant to rust, that it is immune to certain kinds of black stem rust and has been injured much less than other varieties when orange leaf rust was prevalent. Other experiments have shown that the average production of Kanred has been 4.5 bushels per acre more than Turkey red. It is bearded. Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c. Please write for general quantity prices or submit list of your requirements for special quotations.

### TREATMENT FOR BUNT OR STINKING SMUT IN WHEAT

Dust seed grain with copper carbonate two to four ounces to the bushel. Mix in a barrel mixer so that all grains are covered with the dust. Treatment can be made at any time and grain can be stored without injury.





## Western Seed Oats

### Bliss Side Oats

A selection from the white Russian side oats which has been and still is in some sections a favorite with many. Mr. E. R. Bliss, of Weld County, striving to get oats that were pure, made the field selection from heads showing desirable characteristics and has carefully developed from this.

This oat is registered under the rules of the Colorado Seed Growers Association and tested by the Colorado Seed laboratory.

Experience shows that the type of head which this oat has with the grain all drooping from one side of the stem, is not damaged so badly by grasshoppers and light hail as the branched type of head.

If the oats are to be cut for hay or if an abundant straw for feeding is desired, this is one of the best that can be planted for that purpose. The Bliss side oats ripen uniformly, the fields present a very attractive appearance, and the yield of grain is usually very satisfactory. Owing to the small size of the grain, many are led to believe it has not the feed value of larger oats, but it is true that the percentage of meat to the hull is about the same as in the larger types and the thin hull permits it to be more easily digested.

The side oat has proven to be a very satisfactory oat for mountain districts.

Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50. Please write for general quantity prices or submit list of your requirements for special quotations.

### Silver Mine Oats

This oat has the reputation of being an exceedingly heavy and reliable yielder. The heads are very large in proportion to the stiff, bright, clean straw. The sprangle top heads, although long, are borne low down on the stalk, which seems to prevent lodging. The demand for this variety last season exhausted our supply and we suggest early orders to avoid disappointment. Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50. Please write for general quantity prices or submit list of your requirements for special quotations.

### Abundance Oats

Originated in Canada, are of the Swedish select type and are known by a great many other names in different parts of the country. Grain is plumper than Victory and not so long. They have won Sweepstakes several times at the International grain and hay shows and at the Colorado State seed show. Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50. Please write for general quantity prices or submit list of your requirements for special quotations.

#### TREATMENT FOR LOOSE SMUT AND COVERED SMUT IN OATS

Add one pint formaldehyde to forty gallons of water and sprinkle on forty bushels of grain. Cover with sacks or canvas for two to four hours.

### Colorado No. 37 Oats

This variety was produced by selection. The original mother plant was selected from a field of oats in the San Luis Valley, but further purification and selection has been made by the agronomy department at the agricultural college. It is an open panicle white oat and belongs to the Swedish group. The hull is medium thick, but the straw is stiff and it is well adapted for irrigated conditions and cooler dry land conditions. It yields well and has led other varieties over a period of years. Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50. Please write for general quantity prices or submit list of your requirements for special quotations.

### Victory Oats

Ever since the war many different oats have been sold under the name of Victory. Some of these were good and some not so good but it was apparent that no one knew which was the true Victory as introduced into Canada from Sweden. The oats now registered under the name Victory in Weld County are all from the same importation. These oats were secured as second generation seed from the Canadian government breeding plots in Edmonton, Alberta, Canada, in 1924.

This Victory is a Swedish type oats with large-sized plump grain, and thin hull. The plants are hardy and yield well under irrigation.

Genuine Victory oats are good size, plump, solid grain and are especially desirable because of the thin hull and plump kernel; over 90 per cent of the grain is meat. This is very essential to good oats. More grains set on the head than varieties that have a big, thick hull. Victory oats are the hardiest oats grown; they are early and make enormous yields.

One field of registered oats in Weld County yielded 102 bushels per acre and the average of four growers was 88 bushels. Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., \$1.50. Please write for general quantity prices or submit list of your requirements for special quotations.

### Swedish Select Oats

It is an abundant yielder of heavy fine grains. It is vigorous and produces fine straw of excellent quality. The seed we offer is especially adapted to our western country, being earlier and more drought resistant than the oats offered from other sections. As it produces excellent straw it is grown extensively in our mountains and cut just before the grain ripens and used for hay. Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50.

### Kherson or Mountain Oats

This is the earliest oat known. It is also adapted to dry land. Although it does not grow as long as most other varieties yet it is a heavy yielder. The grains are rather slender but the kernel is quite plump. This year we will be able to supply Registered Kherson oats on early orders. Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50. Please write for general quantity prices or submit list of your requirements for special quotations.





# Miscellaneous Dry-Land Crops

## Speltz or Spring Emmer

The wonderful merits of this grain have placed it at the top of the list, especially among the dry-land farmers.

As seen in the picture, it resembles barley and wheat, and is classed with them. It will make a crop under the most unfavorable soil and weather conditions, and is one of the first spring grains to ripen, being of very rapid growth. If it is feed that you desire, don't overlook speltz, for all kinds of stock do well on it and you can harvest more speltz from an acre than either oats, wheat or barley.

Each year we are having more calls for speltz, and in almost every case where small quantities were sold for trial purposes, the growers are now planting on a large scale. If you have never tried this grain, we urge that you give it a trial, and make it a good one, for it is a certain pleaser. In planting speltz you sow from 50 to 75 pounds to the acre but on dry land 40 to 50 pounds are sufficient. When ready to buy write us for special price; state the quantity wanted and we will gladly submit samples.

Prices, lb., 15c; 5 lbs., 50c; 10 lbs., 80c. Please write for general quantity prices or submit list of your requirements for special quotations.

## Western Flax Seed

Flax is one of the most dependable and profitable crops grown in the West. Because of its short growing season and quick maturing qualities it may be planted as late as the middle of June and make a matured crop almost anywhere in the United States, and is one of the most desirable late crops to grow on fields where clover pasture or meadows have winter-killed or have been destroyed by the effects of water and ice. Flax takes less fertility and moisture from the soil than the grains, clovers or grasses during its growing season. This has been proven by careful soil tests.

Flax will yield 10 to 20 bushels per acre under favorable soil and weather conditions and is usually much more profitable than any of the grains. Flax straw is saleable and is now used in large quantities by manufacturers of upholstered furniture and insulation for building purposes.

It may be used with success as a nurse crop for the clovers and grasses as it does not shade the seedling plants as much as the grains and takes less moisture and fertility from the soil. Flax is a most desirable crop to grow on native sod the season it has been plowed.

Treating flax seed with formaldehyde will destroy wilt germs and thus prevent infecting the soil. Sow more flax this year and every year.

Prices, 1 lb., 20c; 5 lbs., 90c; 10 lbs., \$1.50. Please write for general quantity prices or submit list of your requirements for special quotations.

## Dwarf Essex Rape

A forage plant of highest value. It can be sown in April for an early crop, and for Fall crop in July, August, and September, and still later further South. In a few weeks from the time of sowing hogs and cattle can be turned on it. Under favorable conditions rape is ready for pasturing sheep or cattle within six weeks from time of sowing, and on an

average one acre will carry 12 to 15 sheep six weeks to two months. When on the rape they should at all times have access to salt. Pigs and cattle are also very fond of it. The plant is a rank grower and should have heavy manuring as well as high cultivation. Any corn soil will grow rape. Sow the seed by the end of June and the crop can be ready to feed at a season when it is most needed. It does well sown with oats. After oats are cut the rape grows rapidly. If the soil is rich and clean, sow broadcast; if not so clean, sow in drills and cultivate as for corn. When sown broadcast, use 5 to 6 pounds, and if in drills, 2 to 3 pounds to the acre.

Prices, purchaser paying express or freight charges: 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.50; 25 lbs., \$3.00. Please write for general quantity prices or submit list of your requirements for special quotations.

## Buckwheat

Buckwheat does best where the climate is moist and cool, but it is sensitive to cold. It is a short season crop, maturing in 10 to 12 weeks and can be sown later than any other grain crop. It is a good crop for poor, thin land, does well on acid soils and serves to make hard land mellow and friable and is a good crop to use in preparation for such a crop as potatoes. Sow 1 to 1½ bushels per acre. Light, well-drained soils are best for this crop.

**JAPANESE BUCKWHEAT.** Entirely distinct from all other varieties. It has the advantage of remaining in bloom in bloom and produces seed earlier. On this account it can be grown farther North. It resists drought and blight very well. As much as 40 bushels to the acre have been harvested of this variety, making it very profitable to raise.

**SILVER HULL BUCKWHEAT.** This valuable variety originated abroad. It is early; remains longer in bloom than other sorts. A fine variety for honey bees. The grain is of beautiful light gray color and has a thin husk.

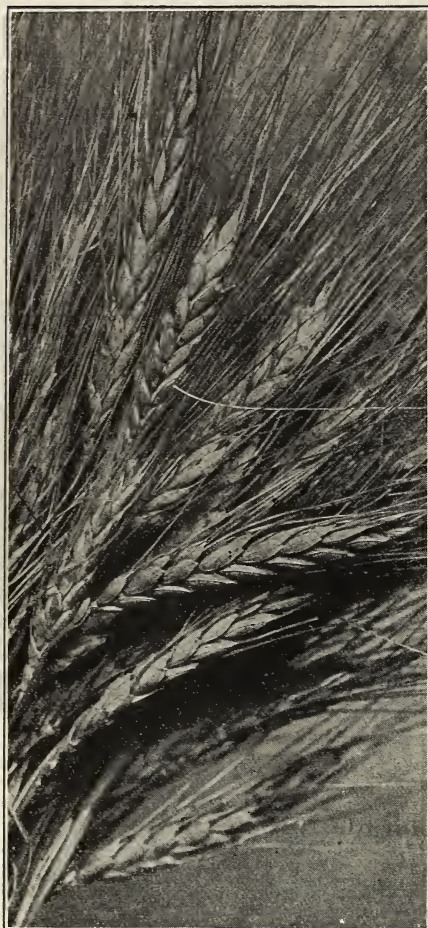
Prices, 1 lb., 15c; 5 lbs., 60c; 10 lbs., \$1.00. Please write for general quantity prices or submit list of your requirements for special quotations.

## Peanuts

Can be successfully grown in almost any place where corn succeeds, but thrive best on light sandy soil. The vines are valuable feed for horses, cattle, and sheep. One acre will produce from one to two tons of vines. The nuts are relished by nearly everyone and contain a large percentage of nutriment.

**IMPROVED LARGE VIRGINIA PEANUTS.** A very profitable variety to grow. The vines make valuable forage for stock. By mail, postpaid, large pkg., 10c; 1 lb., 30c. Not postpaid, 5 lbs., \$1.25; 10 lbs., \$2.00.

**SPANISH PEANUTS.** Pods are small, remarkably solid, well filled, and of an extra fine quality. Yield per acre very large. Large pkt., 10c; 1 lb., 30c, postpaid. Not postpaid, 5 lbs., \$1.25; 10 lbs., \$2.00.



Speltz.



Buckwheat.



# Western Seed Grains

## Trebi Barley

Imported by the U. S. Department of Agriculture in 1905 from Asiatic Turkey where it had been under irrigation for many years. Trebi is a six-rowed, pure line variety with heads similar to those of Coast barley. Under government tests in California and Minnesota it did not show up well, but when taken to Idaho in 1913, under western irrigated conditions, it took front rank from the first. The Aberdeen, Idaho, experiment station made pure line selection that greatly improved its yield and quality and distributed it to our western farmers.

It was introduced into northeast Colorado from Idaho about 1920, and has led other varieties in both yield and quality of grain. It has been in Weld County only three years and is replacing all other varieties by leaps and bounds. Eight growers who had registered fields in 1926 averaged 76 bushels on 115 acres.

The kernels are large and bluish in color and the awns, while long, break off more easily than those of the Coast variety and cause it to thresh out much cleaner. Lamb and cattle feeders in Weld County much prefer it to other varieties for feeding. We unhesitatingly recommend this barley for irrigated farms.

As a dry land crop we are not prepared to make any recommendations. It has been tested for a number of years at several dry land experiment stations, and in years with a fair amount of rainfall it has proven to be one of the best. However, under actual dry farming conditions in Logan County, it is gaining popularity rapidly.

Prices, 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c. Please write for general quantity prices or submit list of your requirements for special quotations.

## Bald or Hulless Barley

This is one of the many forage plants that have met with success in our western country and is one of the best crops for green feed. It is very early and grows rapidly, which makes it a favorite where green feed is wanted. It can be used as cured hay, but should be cut or harvested when it is in the milk stage. If allowed to mature will make an excellent grain, which resembles wheat. It is not a milling variety, but when ground is an excellent feed for stock, which do well on it. It resists drought remarkably well. It will make a large crop of grain in dry seasons, even when wheat will fail. Yields well on poor lands and better on good land. It has no beard and shells off its hulls the same as wheat.

Prices, 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c. Please write for general quantity prices or submit list of your requirements for special quotations.

## Colsess Barley

Colsess barley is a six-rowed hooded variety of hybrid origin, produced and developed by the Agronomy Department of the Colorado Agricultural College. It is the result of a cross between Coast and Success. Heads are more compact and darker than Success but resembling Coast in color. It has been developed to supply a demand for a high yielding barley that is free from beards that many stock feeders object to because of trouble caused by the stiff awns in the threshed grain and straw.

From the tests conducted by the Colorado Experiment Station it has outyielded all other hooded varieties and compares very favorably with the highest yielding bearded varieties. It has proven itself to be especially well adapted to mountain regions and high altitudes, as it is one of the earliest high-yielding varieties.

The straw is stiff, causing it to stand up well under irrigation and it shatters less than Coast or Success. As a beardless variety, under irrigated conditions, it can be depended upon to give greater yields than any other beardless variety yet tried.

Prices, 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c. Please write for general quantity prices or submit list of your requirements for special quotations.



Colsess Barley.



Trebi Barley.

## Hulless Blue Barley

While Blue Barley has sufficient hull to hold it in the heads, these hulls are easily separated in threshing and the grain shells out like wheat. It is very early, matures in 60 to 90 days, according to soil and locality. The grain is blue, resembling wheat in shape and exceedingly heavy, weighing 60 pounds to the bushel. It is often grown for hay, coming very early and providing rich feed. It should be cut just before it becomes ripe and while the straw is green. In this condition it is relished by all kinds of stock. The straw is stiff and straight, and seldom if ever does it lodge. Blue Barley is bearded.

Price, 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c. Please write for general quantity prices or submit list of your requirements for special quotations.

## Oderbrucker Barley (Six Row)

Oderbrucker is a tall, heavy-strawed barley that stands up well and gracefully. The heads are usually large and long and are completely filled out with very plump grains that are brighter and whiter than any other barley. Our seed of Oderbrucker barley was grown from seed furnished by a careful and successful grower, who took great pains to keep the field clean and free from other grains and our large cleaning machines have graded it so that it is the best grade of barley ever offered by us.

Prices, 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c. Please write for general quantity prices or submit list of your requirements for special quotations.

## Spring Rye

As a cleaning crop for the purpose of eradicating wild oats and other foul seeds, Spring rye can not be beaten. It is an excellent soiler and can be produced on poor, worn out land under dry conditions where wheat would be a comparative failure. Sow Spring rye on ground where winter grain has been killed or blown out or where a fall crop has not been planted. It makes excellent early pasture or may be cut and cured for hay. When sown with vetch its value for pasture and hay is greatly enhanced. It does not grow as tall as Winter rye and the straw is finer but it usually yields well and there is generally a good market for the grain. Prices, 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c. Please write for general quantity prices or submit list of your requirements for special quotations.

## Rosen Winter Rye

Selected in 1909 at Michigan Agricultural College from Russian rye, it was sparingly tried out in Colorado and has made good here, increasing the rye yields to a remarkable degree, even to the extent of excluding the common variety of fall rye. Rosen rye stools well and for this reason is recommended by the Agronomy Department of the Colorado Agricultural College for sowing in the Spring for use as a temporary pasture. Its superiority is shown on dry land as well as irrigated. Since rye is a cross fertilized plant, it becomes mixed easily and it is highly important to get pure seed. Spring and summer sowing of Rosen rye makes it a biennial or two-season crop. Prices, 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c. Please write for general quantity prices or submit list of your requirements for special quotations.





## WESTERN SEED CORN

The following tabulation gives average descriptions of the different varieties of field corn named. Of course there will be a variance as to time of maturity, height of stalks, size of ears and yields; dependent on when and where the crops are planted, the kind and fertility of the soil and climatic conditions.

Variety	Av. No. Days Planting to Maturity	Average Height of Stalk Feet	No. of Rows of Grain on Cob	Average Ear Length Inches	Ear Characteristics	Color Grain	Cob	Distance of Ears Above Ground
Minnesota No. 13	90 to 100	6 to 8	12 to 16	7 to 10	Smooth Cylindrical	Yellow	Red	4 feet
Colorado Yel. Dent	90	6 to 8	12 to 18	8 to 12	Smooth Cylindrical	Yellow	Reddish	3 to 4 ft.
Swadley	90	5 to 7	12 to 16	7 to 9	Cylindrical	Light Yellow	White	3 feet
Golden King	90	6 to 8	12 to 16	8 to 10	Cylindrical	Light Yellow	White	3 feet
Reid's Yel. Dent	100 to 110	7 to 10	18 to 24	10 to 11	Somewhat Smooth	Deep Yellow	Red	4 to 5 ft.
Pride of the North	80 to 90	6 to 8	12 to 16	8 to 10	Smooth Cylindrical	Yellow	Bright Red	3 feet
King of the Earliest	90 to 100	6 to 9	18 to 24	9 to 10	Somewhat Rough	Deep Yellow	Red	4 feet
Northwestern Dent	Under 90	5 to 7	12 to 14	7 to 9½	Smooth Tapering	Red	White	3 to 4 ft.
White Australian	85 to 90	5 to 8	12 to 16	12	Smooth Cylindrical	White	White	3 feet
Rainbow Flint	90	5 to 8	12 to 14	10 to 12	Smooth Tapering	Variegated	White	3 feet
Western White Dent	90 to 100	6 to 8	16 to 20	10 to 14	Slightly Rough	White	White	4 feet
Gehu	80 to 90	4 to 6	12 to 14	5 to 7	Smooth Tapering	Yellow	White	2 feet
Hickory King	120	10 to 12	16 to 18	10 to 12	Large	White	White	6 feet
Squaw, Blue and White Flint	80 to 90	4 to 5	8	8 to 10	Smooth Tapering	Red, Blue Yellow and White	White	2 feet
Calico	100	6 to 8	20 to 24	9 to 12	Large	Mottled Red, White, Yel.	White	4 feet
Iowa Silver Mine	110	7 to 9	16 to 20	9 to 12	Slightly Rough Cylindrical	White	Small White	4 feet
Colorado Giant Fodder	110	10 to 12	20 to 24	10 to 12	Rough Cylindrical	White	Small White	4 to 5 ft.
Red Cob Ensilage	110	10 to 14	20 to 24	9 to 12	Smooth Cylindrical	White	Red	5 feet
Eureka	130	12 to 15	18 to 24	12	Large	White	White	6 to 7 ft.
Improved Leaming	110	10 to 12	20 to 24	10 to 12	Rough	Yellow with Reddish Cast	Small White	4 feet
Iowa Gold Mine	110	10 to 12	20 to 24	10 to 12	Rough	Golden Yellow	Small White	4 feet

Under supervision of the U. S. Department of Agriculture, we are authorized to issue verified-origin seed certificates for alfalfa, the locality of production of which has been verified by a Federal seed inspector.





# Western Seed Corn

## Minnesota No. 13

Minnesota No. 13 is the most popular Yellow Dent Corn in Colorado and other western States. It matures in 90 to 100 days. This makes it a very desirable corn for sections where early frosts are common. The ears set about four feet from the ground, average 7 to 10 inches long, 6 to 8 inches in circumference and carry 12 to 16 rows of kernels. The kernels are wedge shaped and of a bright, rich yellow color; smooth and packed closely from butt to tip on a small reddish cob. Throughout the West it is used extensively as a husking crop. The stalks grow six to eight feet and being thick, tall and leafy they make excellent, nutritious fodder. Plant Minnesota 13 Corn for grain, fodder, and silage.

Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50. Please write for general quantity prices or submit list of your requirements for special quotations.

## White Australian

White Australian is a hard flint corn well adapted for cool climates and short seasons. It withstands drought well and matures in ninety days. The ears are of medium size, tapering, grow about 12 inches long and average 12 to 16 rows of kernels. The kernels are white, smooth, somewhat shallow, rounded and very flinty. The stalks attain a height of from 5 to 8 feet, producing one to two long ears to the stalk, that set about three feet from the ground. White Australian is a sure cropper and good yielder in almost all sections of Colorado but is not a favorite where whole grain feeding is desired.

Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50. Please write for general quantity prices or submit list of your requirements for special quotations.

## Colorado Yellow Dent

Colorado Yellow Dent is by no means a fixed type of corn. Different lots of seed will develop different growths, different stalks, different ears and different kernels. The grains are usually mixed and sometimes resemble Minnesota 13 and sometimes more like Pride of the North. This is due to the fact that growers have not selected the seed by ear selection and have made no attempt to keep their strains true to the original types. However, this corn is thoroughly acclimated, matures early, yields well, withstands drought very satisfactorily and is a prime favorite in the dry land sections.

Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50. Please write for general quantity prices or submit list of your requirements for special quotations.

## Swadley

Swadley is an early dent corn maturing in 90 days. It has great ability to withstand heat and drought and is a prime favorite in many sections of Colorado. It ranks equal to Australian Flint as a sure cropper under adverse conditions and is planted in preference to Australian for whole grain feeding. The ears are large and set low on the stalk, average 7 to 9 inches long and carry 12 to 16 rows of grain. The kernels are large, broad and thin, of a light yellow color merging into white on the cap. The cob is white and of medium size. The stalks attain a height of 5 to 7 feet and are rather large and sparsely leaved. Swadley is distinctly a Colorado product and we recommend it very highly.

Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50. Please write for general quantity prices or submit list of your requirements for special quotations.

Three cents per acre kills the germs in the Seed Corn and protects it against disease attack from the ground

## MERKO

—prevents development of disease in the Seed Corn itself or from the ground.



Minnesota No. 13.



## Western White Dent

Western White Dent is a short season corn requiring about 90 days to mature. This makes it very desirable where a soft white corn is sought. The stalks average six to eight feet tall with ears 10 to 14 inches long and with 16 to 20 rows of nice, white kernels. The ears are large and the cob small and white. They set high making this variety suitable for husking. It is also a very efficient corn for silage and fodder.

Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50. Please write for general quantity prices or submit list of your requirements for special quotations.

## Northwestern Dent

Northwestern Dent is a short season corn maturing in 90 to 95 days. This makes it a very desirable corn for sections where the time between the late and early frosts is short. The ears set 3 to 4 feet above the ground, are of medium size, average 7 to 9½ inches long and carry 12 to 14 rows of grain. The kernels are shallow and have a light reddish color with a copper yellow spot in the crown. The stalks grow 5 to 7 feet high and are very thin and leafy. It is, therefore, especially well adapted for fodder and bundle feeding but on account of the size of the cob and its shallow kernels it is not considered a husking corn.

Prices, not prepaid: 1 lb., 15c; 10 lbs., 85c; 25 lbs., \$1.75. Please write for general quantity prices or submit list of your requirements for special quotations.

## Golden King

Golden King is an early dent corn, being an improved type of Swadley. It matures in 90 days and is well adapted to short seasons and dry lands. The stalks grow to a medium height with ears about three feet from the ground. The ears are medium sized, about 10 inches long. The grains are deep and broad, light yellow color merging to pale yellow at the cap. The cob is white. It makes a good husking corn and is very desirable for whole grain feeding.

Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50. Please write for general quantity prices or submit list of your requirements for special quotations.

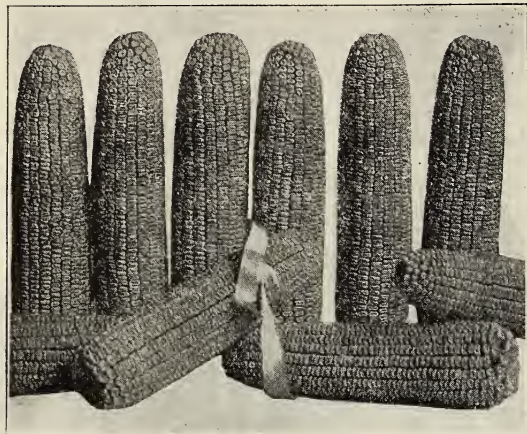
## Reid's Yellow Dent

Reid's Yellow Dent bears the name of its originator, James L. Reid, of Illinois, who many years ago fixed a type that experts have failed to change for the better. It requires about 110 days to mature and should be planted in warm, quick soils exposed to the south, in sections not subject to early frosts. The ears are large, averaging 10 to 11 inches in length, slowly tapering, and have a well rounded butt. The grains are yellow, very deep and closely packed on a small cob, the tip and butt of which they almost entirely cover. The leaves and stalks of Reid's Yellow Dent make an excellent fodder and ensilage and it is rapidly becoming the most popular all-around purpose corn that can be grown. Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50. Please write for general quantity prices or submit list of your requirements for special quotations.



# Western Seed Corn

## Pride of the North



King of the Earliest.

Pride of the North is a good variety of extra early yellow dent corn that originated in Northern Iowa more than thirty years ago. It matures in eighty to ninety days. The ears are set low, about one-third of the length of the stalk above the ground. They are medium to small sized, with deep yellow kernels set solidly on a small bright red cob. Two or more good, well developed ears are frequently found on a single stalk and sometimes there will be three to four stalks to the hill. The stalks are small, well proportioned, short jointed and leafy. Pride of the North withstands drought with credit and is very popular for early feed or for late planting.

Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50. Please write for general quantity prices or submit list of your requirements for special quotations.

## King of the Earliest

King of the Earliest is an early yellow dent corn that matures in 90 to 95 days. As it withstands adverse conditions to a marked degree, it is very suitable for early planting and can be safely planted as far north as any dent corn. The ears are medium sized, 9 to 10 inches long, with 18 to 24 rows of kernels. The cob is small. The grains are deep, somewhat rough, and of a deep yellow color and closely set on the cob. The stalks grow to a good height, are small and leafy. The ears set about four feet from the ground.

Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50. Please write for general quantity prices or submit list of your requirements for special quotations.

## Calico

Calico is a medium early, mixed dent corn maturing in about 100 days. The ears are large, 9 to 12 inches long and average twenty rows of grain but the cob is small. The kernels are variegated being speckled or mottled red, white, and yellow. The stalks are very leafy and attain a height of six to eight feet. The ears are carried high. Calico corn has a high protein content making it a very efficient feed and it is relished by stock.

Prices, not prepaid: 1 lb., 20c; 5 lbs., 75c; 10 lbs., 90c; 25 lbs., \$1.85. Please write for general quantity prices or submit list of your requirements for special quotations.

## Hickory King

Hickory King is a very long season variety of white dent corn requiring at least 120 days to mature and for this reason is only recommended for planting in southern districts. It grows very tall. The ears are large, set about six feet from the ground with 16 to 18 rows of large, deep, broad kernels. The cob is white.

Prices, not prepaid: 1 lb., 20c; 5 lbs., 75c; 10 lbs., \$1.25. Please write for general quantity prices or submit list of your requirements for special quotations.

## Hartner's Rainbow Flint

This is an early maturing corn and is very desirable for dry lands and short seasons. It is a flint, resembling White Australian in habit and size of kernels. The grains are variegated and highly colored. This year's crop is well matured and shows a germination of 99 per cent. It was grown northeast of Denver on dry land.

Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 90c. Please write for general quantity prices or submit list of your requirements for special quotations.

## Squaw

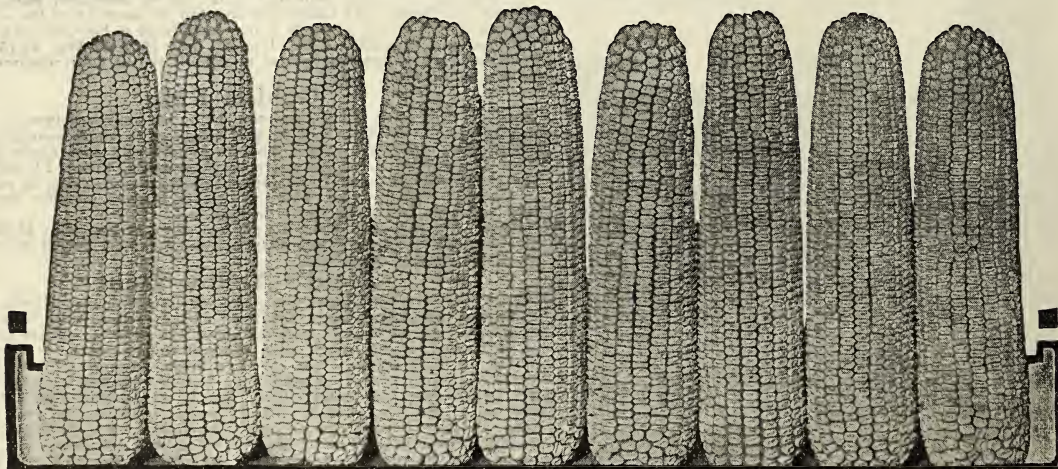
Squaw corn is supposed to be a mixture of the various sorts once grown by North Dakota Indians. It is sometimes called Blue Squaw. It is very early, requiring not over 90 days to mature and is a very vigorous plant. The ears are small, averaging about eight inches long, set close to the ground, and carry eight rows of grain. The kernels are somewhat shallow, rounded, smooth, and flinty and are a mixture of blue, white, and yellow colors. Squaw corn is adapted for hog or sheep pasture. It yields much better than would be expected from such a short plant. In sections where the growing season is short it is the only kind of corn that will make grain.

Prices, not prepaid: 1 lb., 20c; 5 lbs., 75c; 10 lbs., 90c; 25 lbs., \$1.85. Please write for general quantity prices or submit list of your requirements for special quotations.

## Gehu Flint

Gehu is a yellow, dwarf, flint corn that grows 4 to 6 feet high and matures in 80 to 90 days. It is not generally used as a husking corn as the ears set close to the ground, but this feature makes it very desirable for early hogging down. It usually produces more than one ear to the stalk. The ears are 5 to 7 inches long,  $4\frac{1}{2}$  to  $5\frac{1}{2}$  inches in circumference and very tapering. The kernels are shallow, smooth, hard and of an orange or dark yellow color. It is the earliest yellow corn.

Prices, not prepaid: 1 lb., 20c; 5 lbs., 75c; 10 lbs., \$1.00. Please write for general quantity prices or submit list of your requirements for special quotations.



Pride of the North.





Ensilage Corn.

## Western Seed Corn

### CORN IS A VERY PROFITABLE SILAGE CROP.

The use of the silo is recommended for all parts of the West where crops can be grown. To secure the greatest profit from the soil, the farmer must keep more or less live stock and to do this, he must provide abundance of feed for all seasons. In the dry land districts, for this reason, the silo is especially serviceable. There are some seasons when the rainfall will be sufficient to produce more forage than immediate needs require. Every bit of this surplus forage should be and can be preserved for a lean year. This can best be done by the use of the silo.

After corn has been laid by scatter sweet clover between the rows, covering it light with a drag such as the branch of a tree or a small bush. If conditions are right, the increased yield of corn, the fall pasturage from the clover, the green manure to be plowed under in the Spring as food for the succeeding crop, will make the planting well worth while. Try it and you will be a sweet clover fan.

### HARVESTING CORN FOR SILAGE

Corn that is intended for silage should be allowed to grow as late as the season permits, or until the kernel has become hard and dented. The stalk is usually green as late as this stage. Many experiments have been conducted by The Colorado Agricultural College which show that a greater amount of feed of a better quality can be obtained from silage when it is made from corn cut at this stage of maturity. This silage will keep more easily, too.

### Iowa Silver Mine

Iowa Silver Mine is a white dent corn maturing in 100 to 110 days. It is so well and favorably known that it is often referred to as "The National Corn." The ears are large, 9 to 12 inches long, averaging 20 rows of grain. The cob is small and white. The kernels are deep, white and rather smooth, dented but not hackle crowned. They are set solidly on the cob and almost cover the butt and tip. Stalks are of medium height to tall, very leafy with broad blades, often bearing two ears. Iowa Silver Mine has a heavy deep root system. This enables it to withstand drought and adverse conditions exceedingly well. It is a good yielder and is highly recommended for silage purposes.

Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50. Please write for general quantity prices or submit list of your requirements for special quotations.

### Iowa Gold Mine

Iowa Gold Mine is a yellow dent ensilage corn maturing in 110 days. It is very similar to Improved Leaming and can not be easily distinguished from it. Prices are the same as for Leaming.

### Colorado Giant Fodder

Colorado Giant Fodder is a white dent ensilage corn with large ears, big leafy stalks and deep kernels. It matures in about 100 days and is an elegant corn for ensilage purposes as it produces an immense tonnage of excellent quality silage. The grain will generally mature well enough to make the silage rich with protein content. It should be planted freely by dairymen and stockmen equipped with silage facilities. When properly cultivated in favorable seasons the stalks will attain a height of 10 to 12 feet. The leaves are broad and long; the ears average 9 to 10 inches with 10 to 20 rows of kernels.

Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50. Please write for general quantity prices or submit list of your requirements for special quotations.

Valuable information about Merko, one of the newer Seed Corn disinfectants, will be mailed on request.

### Red Cob Ensilage

Red Cob Ensilage is a pure white dent corn with a red cob. It matures in 110 to 115 days. The ears are large, 9 to 12 inches long and set 4 to 5 feet from the ground. There are 20 to 24 rows of deep white kernels, somewhat smooth. The stalks grow 10 to 14 feet high with many broad succulent leaves, producing an immense tonnage of excellent quality silage. We recommend Red Cob Ensilage. Corn for silage purposes.

Prices, not prepaid: 1 lb., 20c; 5 lbs., 75c; 10 lbs., 90c; 25 lbs., \$1.85. Please write for general quantity prices or submit list of your requirements for special quotations.

### Improved Leaming

Improved Leaming is a yellow dent corn and a general favorite with stockmen and dairymen. It matures in 100 to 110 days. The grain is rich in protein and oil and the large, leafy stalks make an immense tonnage of fodder or silage. Ears are rather large, 10 to 12 inches in length and average 20 to 24 rows of grain. They are well filled out. Grains are deep wedge shaped, closely set and have a deep, rich yellow color with a reddish cast. The stalks attain a height of 10 to 12 feet and are very strong with broad leaves.

Prices, not prepaid: 1 lb., 15c; 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.50. Please write for general quantity prices or submit list of your requirements for special quotations.

### Eureka Ensilage

Eureka Ensilage is a largekerneled, white dent corn. It grows 12 to 15 feet high, is very leafy, and produces an enormous tonnage of succulent fodder. It bears one to two ears to the stalk that frequently measure over 12 inches. It is a long season corn and should be planted only with the hope of getting abundant fodder. It will require considerable plant food to produce such a sturdy corn so choose good ground for Eureka Ensilage.

Prices, not prepaid: 1 lb., 20c; 5 lbs., 75c; 10 lbs., 90c; 25 lbs., \$1.85. Please write for general quantity prices or submit list of your requirements for special quotations.

## Pop Corn

WHITE RICE POP CORN is a very handsome and prolific variety. The ears are five to seven inches long and the kernels are long and pointed, somewhat resembling a grain of rice. There is generally a good demand for this corn for popping.

Large packet, 10c; 1 lb., 20c; 5 lbs., 75c; 10 lbs., \$1.25. Not postpaid.

LARGE SPANISH POP CORN is much larger grained than White Rice and when popped makes a larger, coarser flake. The seed is rounded, smooth and flinty. In its growth and habits Spanish Pop Corn resembles the common varieties of flint corns. There is a very strong demand for this corn for popping.

Large packet, 10c; 1 lb., 20c; 5 lbs., 75c; 10 lbs., \$1.25. Not postpaid.

BABY RICE POP CORN is known as Baby or Hulless, Japanese Rice, Baby Rice or Japanese Hulless. It is a dwarf growing, heavy yielding variety, and is considered the choicest pop corn grown, due to its fine flavor and the absence of hull or shell. Ears are peculiar in form, being almost as thick as long. Select caterers everywhere use Baby Rice.

Large packet, 10c; 1 lb., 25c; 5 lbs., \$1.00. Not postpaid.



# Western Field Peas and Vetch

## Field Peas

No other grain crop, except perhaps oats, can be devoted to so great a variety of uses. The grain is possessed of a relatively high feeding value, and the same is true of the straw. As a pasture for certain kinds of livestock, peas may be made to serve an excellent purpose. The value of the crop for soiling and fodder uses is excelled only by clover. There is no kind of livestock on the farm to which peas cannot be fed to advantage.

## San Luis Valley Peas

This variety is also called Colorado Stock Peas, and has been grown for years in the San Luis Valley in Colorado. The stock-growers in these regions found them valuable for fattening hogs and sheep. The custom was to allow the stock to graze on the pea fields eating the vines and seed. Pea fed pork is much sweeter and finer grained than corn fed. Recent years have seen a big demand for these peas as a food, and large quantities have been shipped to Eastern and foreign markets.

This is without a doubt the best stock pea to grow in the West. It produces a large quantity of vines, that make a fine hay, and the seed is very fattening for sheep, hogs, etc. When sown for seed about 80 pounds per acre, but for hay it may be sown as late as July, when 100 pounds per acre is usually sown.

Prices: Lb., 15c; 5 lbs., 65c; 10 lbs., \$1.00. Please write for general quantity prices or submit list of your requirements for special quotations.

## Dry Land Peas

**SOUTHERN BLACK-EYED PEAS (Large).** The most popular and most extensively grown of all Black-Eye varieties. The seed resembles a bean in shape. They make a large vine growth and are an excellent soil improver. The peas make a most desirable and healthful table dish and are in great demand during the Winter. They are also used green during the Summer. Many people plant Southern Black-eye Peas in the garden.

Prices: Lb., 20c; 5 lbs., 90c; 10 lbs., \$1.50. Please write for general quantity prices or submit list of your requirements for special quotations.

## Canada Field Peas

Are one of the very best soiling crops for the North. They are sometimes grown alone, but the most satisfactory dairy results comes from sowing with oats, rye or barley. They make good ensilage, and an admirable food either green or dry for cattle. They are quite hardy and may be sown early in the Spring, and will be ready to cut in May or June.

Prices: Lb., 20c; 5 lbs., 90c; 10 lbs., \$1.50; 25 lbs., \$2.75. Please write for general quantity prices or submit list of your requirements for special quotations.

## SOIL FERTILITY

Inoculate your Alfalfa, Sweet Clover, Soy Beans, Vetch, Peas, Beans, Clovers and all other legumes (pod-bearing plants), with McQueen's Guaranteed Inoculator.

Inoculation hastens maturity, increases the crop, improves its quality, enriches the soil and saves fertilizer bills.



San Luis Valley Peas.

## Whip-poor-will Cow Peas

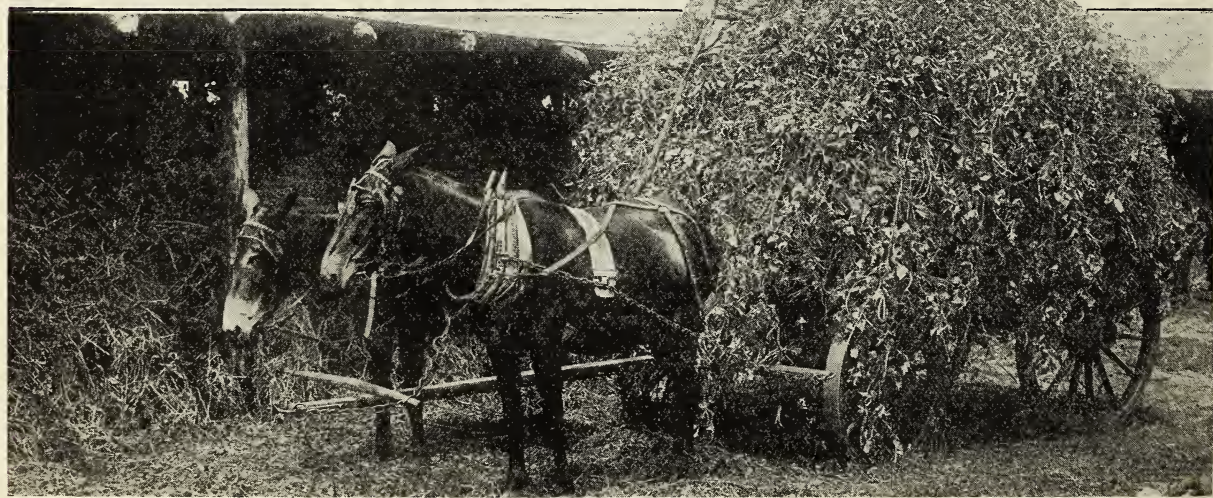
Sometimes called Shinney Peas. The Whip-poor-will is more largely grown than any other cow pea, probably because of its long vine, usually six feet long, and because of its large yield of both hay and peas. It matures early, makes an upright growth, making it easy to cut. Has brown speckled seeds that are easily threshed. Recommended where an early variety is wanted.

Prices: Lb., 20c; 5 lbs., 90c; 10 lbs., \$1.50; 25 lbs., \$2.75. Please write for general quantity prices or submit list of your requirements for special quotations.

## Sand or Hairy Vetch

Winter Vetch is a mighty fine crop to sow in the Fall just as soon as the crops have been harvested and on up to November first. Vetch, being a leguminous plant like alfalfa and peas, gathers nitrogen from the air and stores it in the roots, thereby adding plant food for other plants that take all of their food from the soil. Thus, during the idle months this crop is slowly but surely enriching the soil at no trouble or expense to the grower. The soil is kept in better condition for Spring planting and is freer from weeds. If the Winter and Fall season has been inclined to be warm and open a good growth will have been obtained and there will be a big quantity of vegetation to plow under in the Spring. This green manure supplies moisture as well as food to the Spring crop and many times gives it a start that puts it through the dry season. If a good inoculation is applied to vetch seed the yield is increased.

Prices: Lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.25. Please write for general quantity prices or submit list of your requirements for special quotations.

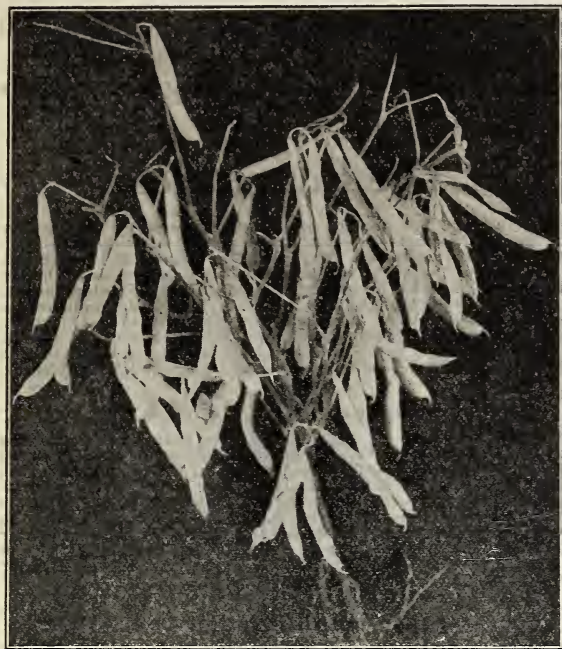


Whip-poor-will Cow Peas.





# Western Field Beans



Navy Beans.

## Pinto Beans (Mexican)

The leading commercial bean of the West. The Pinto Bean will grow on dry land and yields as high as 1,100 pounds per acre have been reported, while on irrigated land, 2,500 pounds have been secured from one acre. It is easily grown and requires little attention. There is now an established demand from Eastern and Southern markets for this variety. Our seed stock is select, hand picked and grown in Colorado on dry land.

Prices: Lb., 20c; 5 lbs., 75c; 10 lbs., \$1.25. Please write for general quantity prices or submit list of your requirements for special quotations.

## Stock Beans

### Early Soja Beans

A valuable forage plant, little affected by heat and drought. Is one of the most nutritious of all vegetable products. It will produce from 20 to 30 bushels to an acre. For pasturing or feeding as green fodder it is very valuable; also a good fertilizer.

Prices, 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75. Please write for general quantity prices or submit list of your requirements for special quotations.

### Ito San Sojas

A very satisfactory variety to grow in a short season. Produces seeds fairly well, and matures in 95 to 100 days. Branches well, so as to be very easily harvested. The plants are of medium size, averaging 25 to 30 inches in height. Will mature as far north as Wisconsin and Michigan.

Prices, 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75. Please write for general quantity prices or submit list of your requirements for special quotations.

### Hollybrook Early Sojas

Make a quicker growth and mature their crop two weeks earlier than the Mammoth Yellow Soja. It makes a large yield both of forage and peas and the added advantage of its earliness makes it a most distinct and valuable acquisition. Sown as a forage or hay crop it is much easier to cure and handle, and makes even a more nutritious crop than cow peas.

Prices, lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75. Please write for general quantity prices or submit list of your requirements for special quotations.

Corn, Wheat, Oats, all crops, are benefited by the nitrogen deposit placed in the soil by inoculated legumes. But remember this: Only inoculated legumes are soil builders and have the means of taking this free nitrogen from the air. Without the proper bacteria on the roots, legumes are actually soil robbers. For building up worn out soils, or maintaining proper soil fertility in good soils—Grow legumes and INOCULATE with McQueen's guaranteed Inoculator.

## Red Kidney Beans

Will produce crop of first class beans and are a success in the West. They are excellent canners and richly flavored. They are found in every grocery store and are so well known that a description is useless. Their habits of growth are similar to the Pinto. There is quite a large local demand for the dry beans.

Prices: Lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75; 25 lbs., \$4.00. Please write for general quantity prices or submit list of your requirements for special quotations.

## Broad Windsor Beans

These beans are hardy and can be treated in about the same manner as peas. They should be planted in rows from twelve to eighteen inches apart, allowing eight inches between plants. Broad Windsor Beans are very much in favor in Europe, where they are cooked while green; but also the dried beans are much used in the kitchen. Even the pods, while quite young, are eaten. The beans have an agreeable flavor and are of high nutritive value.

Prices, (Hand Picked): Lb., 25c; 5 lbs., \$1.15; 10 lbs., \$2.25.

## Red Mexican Beans

These are similar in size and shape to the Pinto Bean and in their habits and growth resemble them very much. There is quite a demand for these beans for Chili. They are excellent cookers. A small patch would undoubtedly bring satisfactory returns.

Prices: Lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75. Please write for general quantity prices or submit list of your requirements for special quotations.

## Navy or Pea Beans

The best known white bean in the world. More Navy Beans are consumed than all other varieties combined. They always command a higher price than the other varieties, except Limas.

They produce almost as much as Pinto Beans, and are a sure crop under ordinary conditions. They make good yields on dry lands, and large yields when grown under irrigation.

Prices: Lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75. Please write for general quantity prices or submit list of your requirements for special quotations.

## Great Northern or Large White Marrowfat

This bean is similar to the Navy and often sold as such. It is also known as White Mexican, White Kidney and Western White Wonder. It is larger than the Navy and will make a crop where the Navy would fail. It is a heavy yielder and the beans have a very fine flavor when cooked or baked. This variety is in great demand as a dry bean for Winter use and will give satisfaction on either dry or irrigated land. Our seed is Colorado grown, selected hand picked.

Prices, lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75. Please write for general quantity prices or submit list of your requirements for special quotations.



Soja Beans.





## Poisons Cannot Be Sent by Mail

# Insecticides

The Following Prices are not Prepaid

Complete authoritative circular matter, compiled by the different manufacturers regarding their products, will be furnished as requested without charge.

Existing Postal Regulations PROHIBIT THE MAILING OF POISONS, and they can be transported only by freight or express.

## The Poisons

The poisons are used against surface chewing or biting insects, such as most caterpillars and leaf beetles, potato bugs, tomato and tobacco worms, apple codling moths, bud-worms, fruit worms, etc. No spraying material is absorbed by the juices of the plant. They are sprayed upon the leaves and remain in the form of a thin film, or coating. The poisons act by being taken into the stomachs of the insects while eating. In this group come Paris Green, Arsenate of Lead.

### Powdered Arsenate of Lead

Is an effective insecticide for leaf eating insects on tender foliage. Prices, not prepaid:  $\frac{1}{2}$  lb., 25c; 1-lb. carton, 40c; 4-lb. bag, \$1.25. Complete insecticide catalog and prices on larger quantities on application.

### Paris Green

Is a strong effective poison for leaf eating insects. Prices, not prepaid,  $\frac{1}{4}$ -lb. fibre carton, 20c; 1-lb. fibre carton, 50c; 4-lb. metal containers, \$1.95. Complete insecticide catalog and prices on larger quantities on application.

## The Contact Solutions

The contact solutions are used to combat sucking insects, such as plant lice or aphids, thrips, leaf-hoppers, apple red bugs, and the various kinds of scale. As these insects obtain their food by inserting tubes or bristles under the surface and sucking the plant juices, they will not be affected by the poisons. Fortunately this class of insects have generally very soft bodies, and the contact solutions are designed to act upon these by caustic action, or by clogging up their breathing tubes. They have no effect on the hard exteriors of the insects mentioned in the preceding paragraph. These materials must be applied very thoroughly so that each insect will be touched by a particle of spray. In this group come Fish Oil Soap, Dry Lime-Sulphur, Tobacco Solutions and special Tobacco Dusts.

### Ever-Green

EVER-GREEN is recommended especially for killing the following insects: Cut-worms, Cabbage Worms, Green Flies, White Flies, Thrips, Leaf Hoppers, Currant Worms, Aphids (plant lice), Rose Chafer, Rose Slugs, Pear Slugs, Mealy Bugs, Mites, Red Spiders, Japanese Beetles, Leaf Tiers, Potato Beetles, Squash Beetles, Aster Beetles, Bean Beetles, and Cucumber Beetles. In fact, Ever-Green kills practically all sucking and chewing insects. Ever-Green diluted 1 to 100 and sprayed around plants during the early growing period will effectively protect them from cut-worms. Further details can be obtained in circular matter prepared by the manufacturers. Prices: 1 oz., 35c; 6 ozs., \$1.00; 16 ozs., \$2.00; 32 ozs., \$3.50; 1 gal., \$13.00; 5 gals., \$50.00. 35c;  $\frac{1}{2}$  lb., \$1.25; 2 lbs., \$3.25; 10 lbs., \$11.85.

### "Black Leaf 40" Nicotine Sulphate

This is splendid for use as a contact spray to kill green and wooly aphids, plant lice, red spiders, cabbage aphids and onion thrips. It is especially effective for the green aphids on sweet peas, roses, and apple trees, as it kills the insects as soon as it touches them; but if used according to directions does not injure the leaves, flowers or fruit. Spray apple trees when the tips of the buds are green,  $\frac{1}{4}$  pint to 100 gallons of water. For sweet peas and roses, use 40 drops of the solution to 1 quart of water as soon as the pests appear. 1 oz., The world's largest manufacturers of nicotine insecticides announce that "Black Leaf 40" painted on the top-side of the roots will control body-lice. Saves the labor of handling each bird, either to dust, dip or grease. "Black Leaf 40" does not harm the birds nor retard egg production.

### Tobacco Dust

Finely ground Tobacco Dust is a very effective weapon against Aphids and Lice on all plants. Splendid fertilizer also and preventative for insects in the ground and around roots. 1 lb., 10c; 3 lbs., 25c; 100 lbs., \$5.25.

### Fish Oil Soap

Fish Oil Soap is excellent as a wash for keeping the trunks of trees bright and free from insects, for it not only kills the insects on the surface, but it penetrates into the crevices and destroys eggs and larvae. It is recommended for use against many varieties of the louse family on both outdoor and indoor plants, particularly for the Mealy Bug. Makes an excellent summer spray. 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75.

## The Fungicides

The Fungicides are used to give protection against infection by such fungous diseases as potato blight, grape mildew, apple scab, strawberry leaf-spot, peach scab, etc. They act mainly by preventing the fungus "spores" (which correspond to the seeds of higher plants) from germinating when they alight on protected foliage. As all fungicides are preventives and not cures, do not wait until a disease, which you know is prevalent in the neighborhood, actually establishes itself on your trees or crops, before applying, as then it is in many cases too late. In this group come Bordeaux Mixture in powdered form, Dry Lime-Sulphur, Blue Vitriol and Formaldehyde.

### Blue Vitriol or Sulphate of Copper

This is a preventative of smut in your grain, and when the seed goes through a solution of vitriolized water the crop produced therefrom will be clean and free from smut. We handle only the crystal form ready to dissolve and use. One pound of Blue Vitriol dissolved in 20 gallons of water makes a suitable solution for treating 30 bushels of wheat or barley for smut. It is not so handy to prepare for use as Formaldehyde but it is somewhat cheaper and we believe more effective. A mixture of five pounds of Blue Vitriol and five pounds of lime added to 60 gallons of water is very effective for celery. 1 lb., 20c; 5 lbs., 85c; 10 lbs., \$1.50.

### Formaldehyde

It is of pronounced efficiency in destroying disease germs affecting both animal and plant life and is successfully employed as a preventative of such fungous diseases as potato scab, onion and grain smuts, musty corn and other affected seeds, damping off of seedlings, club root of roses, etc., for the restraining of decay in vegetables, fruits, etc., and as an antiseptic wash and spray for bark diseases, canker and wounds in trees. The dilution for most purposes is one pound (1 pint) formaldehyde to 15 or 20 gallons of water. Formaldehyde is put up in pint or pound bottles and this quantity added to 40 gallons of water will treat 30 bushels of wheat or barley, or 40 bushels of oats for smut or 60 bushels of flax for wilt. 1-lb. can, 55c; 5-lb. cans, \$2.50.

### Copper Carbonate

Experiments by the extension service of the Colorado Agricultural College show that Copper Carbonate is very efficient for the control of Bunt or Stinking Smut of wheat. As it contains a higher per cent of copper than prepared formulas, it is not necessary to use so much. Two or three ounces of 52-54 per cent Copper Carbonate per bushel of grain is sufficient. The value of Copper Carbonate is determined by its metallic Copper content. Do not be misled into buying inferior carbonate. Copper Carbonate with less metallic Copper can be bought for less. 5 lbs., \$1.50.

### Corona Coppercarb

For killing smut spores in wheat Corona Coppercarb has been found to be highly efficient. It is a specially prepared product and nothing has to be added to it to get results desired. Circular matter giving authoritative information can be had on request. Six to eight ounces per bushel is recommended. Packed in 5 lb. cartons. Price, \$1.00 each; larger quantities quoted on request.

### Corona Merko

#### FOR TREATING SEED CORN

Merko is a dust disinfectant for Seed Corn to rid it of molds and disease. Treatment with Merko permits earlier planting; prevents seedling rots; increases the stand and yield. Circular matter giving authoritative information with regard to Merko can be had on request. Include with Seed Corn orders. Two ounces required per bushel. Prices: 4 ozs., 50c; 1 lb., \$1.70.

### Bordeaux Mixture

For fungous diseases. Prices, not prepaid:  $\frac{1}{2}$ -lb. carton, 25c; 1-lb. carton, 40c; 4-lb. bags, \$1.40. Complete insecticide catalog and prices on larger quantities on application.

### Dry Lime-Sulphur

For dormant spraying against scale. Prices, not prepaid: 1 lb., 30c; 5 lbs., \$1.30; 10 lbs., \$2.50. Complete insecticide catalog and prices on larger quantities on application.





## Du Bay Seed Disinfectants

Complete authoritative information, compiled by the manufacturers, regarding all Du Bay seed disinfectants will be furnished as requested. Existing Postal Regulations prohibit the mailing of these products, and they can be transported only by freight or express.

	1 lb.	5 lbs.	25 lbs.	100 lbs.	300 lbs.
Ceresan, for Cereals.....	\$0.75	\$3.00	\$12.50	\$49.00	\$144.00
Semesan, for Vegetables, Flower Seeds and Bulbs.....	2.75	13.00	56.25	220.00	645.00
Semesan Jr., for Corn.....	1.75	8.00	31.25	120.00	345.00
Semesan Bel, for Potatoes.....	1.75	8.00	31.25	120.00	345.00
Nu-Green, Brown Patch Prevention and Control.....	2.00	9.00	37.50	145.00	420.00
Small packages in each product, 50c each.					

## Devoe "Sure-Noxem"

For use on Cabbage, Cauliflower, Tomato Plants, Cucumber Vines, Melon Vines, Currant Bushes, Gooseberry Bushes, and other vegetables and shrubs of many kinds.

Not prepaid, sifter top can, 25c; 5-lb. bag, 75c. Write for prices on 100-lb. metal drums.

## Hammond's Slug Shot

This is one of the oldest and most reliable insecticides on the market. It comes in fine powdered form and is easily distributed by dusting, or can be mixed with water and used in a spray.

It is very effective in killing currant worms, potato bugs, cabbage worms, chicken lice, slugs, etc.

1 lb., put up in can with perforated top.....	\$0.25
5 lbs., put up in packages.....	.75
10 lbs., put up in packages.....	1.25

## Nicofume Liquid

This is a highly refined solution of "free" nicotine, containing 40 per cent nicotine. This may be used both for spraying and fumigating. It is an effective remedy for green Aphis and other insects which infest Roses, Sweet Peas and other plants, when used at the rate of 1 to 2 teaspoonsful to the gallon of water. Directions on each package.  $\frac{3}{4}$  lb., 75c; 1 lb., \$2.00; 4-lb. tins, \$6.25; 8-lb. tins, \$11.50, by express or freight.

## Nicofume Paper

By using this paper greenhouse men will find the destroying of lice, etc., very easy. It is a slow-burning paper, saturated with nicotine and is not at all injurious to tender plants. 24 sheets in a tin box, \$1.25; 144-sheet cans, \$5.00; 288-sheet cans, \$8.75, postpaid.

## Powdered Sulphur

It has been proven and so recommended by the University of California that if you sulphur your grape vines and orchards six times they will not be affected by Mildew or Red Spiders. Sulphur is a good fertilizer and beneficial results will be obtained if you incorporate a liberal quantity in the soil in your garden each Spring. It will help to exterminate cut worms.

Our powdered Sulphur or Flour of Sulphur is very pure. Per lb., 10c; 100 lbs., \$5.00.

## Hydrated Lime

Lime is a wonderful element for sweetening soils, correcting acid and sour soils and putting them in proper mechanical condition. Through the use of lime, a much thicker turf of Blue Grass can be obtained. Scatter light and evenly 2 to 4 pounds per 100 square feet of lawn.

Price, not prepaid: 10 lbs., 35c; 50 lbs., \$1.00.

## Common Sense Rat Exterminator

Destroys rats under all conditions. They eat it in preference to any food. No stench. It dries up the carcass, leaving only the pelt.

It is a paste, not a powder. Easy to apply. It is the CHEAPEST, as so little is required. Price, 30c, not postpaid.

## Moore's Prepared Poison Grain

Certain and speedy destruction to ground squirrels, gophers, prairie dogs, rats, mice, etc., and easy to use; cheap and will kill ten where traps and other devices get one. All experienced pest fighters find poisoning the best method, but it must combine three points. It must be something they will eat, thoroughly poisoned and placed where they will get it. Lb. can, 50c each; 10 lbs., \$3.75; 25-lb. drums, \$7.50, not postpaid.

## Mouse Seed

Kills mice without bait, traps or muss. It is safest to use where there are children or pets. The seeds are unpleasant to the taste but are attractive to mice. Small package, 25c.

## Gas Ball Rodent Killer

Is a ball which, when lighted and rolled down into the burrow, pours forth a deadly poisonous gas that carries death to any living thing in the burrow. Although it means absolute destruction to rodents, it is perfectly safe for the farmer to handle and cattle cannot be injured or endangered by its use. It is non-explosive, does not deteriorate with age and is cheaper than similar material on the market. It kills the squirrel, gopher and prairie dog at small expense and no danger to stock and is non-poisonous to handle and a sure killer. Dozen, 60c; carton of 125, \$3.50, not prepaid. Write for prices on larger quantities.

## Grasshopper Poison Mash

An effective formula for a poison mash for controlling grasshoppers furnished on request.

## High Grade Fertilizers

Lack of space makes it impossible to tell all about all fertilizers here, but pamphlets giving information in detail will be furnished to those interested.

**BONE MEAL**—Contains Phosphoric Acid and some Nitrogen. Prices: 4 lbs., 25c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.60; 100 lbs., \$2.75.

**PULVERIZED SHEEP MANURE**—Contains Nitrogen, Phosphoric Acid and Potash. One of the most complete fertilizers known. A wonderful soil builder. Prices: 10 lbs., 25c; 25 lbs., 60c; 50 lbs., 75c; 100 lbs., \$1.35.

**SULPHATE OF AMMONIA**—Is a fertilizer element that favors the growth of grasses and enables them to crowd out weeds. Apply one-half pound to one hundred square feet. Full information given in Gold Seedling Bulletin No. 3. Prices, 5 lbs., 50c; 10 lbs., 75c; 25 lbs., \$1.50; 50 lbs., \$2.75; 100 lbs., \$4.50. Larger quantities quoted on request.

**NITRATE OF SODA**—Contains Nitrogen and promotes rapid growth. Should be applied when plants are above the ground. Prices: 1 lb., 15c; 10 lbs., \$1.20; 100 lbs., \$7.75.

**VIGORO**—Specially prepared plant food for lawns, gardens, flowers, shrubbery and trees. Prices: 5 lbs., 60c; 25 lbs., \$2.00; 50 lbs., \$3.75; 100 lbs., \$6.00.

**SACCO**—A quick acting and positive fertilizer for lawns, gardens, shrubs, flowers and trees. Prices: 1-lb. can, 25c; 5 lb. bag, 50c; 10 lb. bag, 85c; 25 lb. bag, \$1.75; 50 lb. bag, \$3.00; 100 lb. bag, \$5.00.

**BLOOD MEAL**—Dried Blood Meal, applied as a top dressing, produces a quick growth. It is well adapted to greenhouse use. Prices: 3 lbs., 25c; 25 lbs., \$1.75; 50 lbs., \$3.25; 100 lbs., \$6.00.

**GOLD SEAL LETTUCE GROWER**—Contains Phosphate. We have found this to be the most outstanding fertilizer element contributing to earliness, increased yields and better quality of Lettuce. Packed in 125-lb. bags at \$2.75 per 100 lbs.

## Stim-U-planT

Growers of fine flowers, shrubs, and vegetables for the best markets and for exhibition, fertilize and stimulate them frequently, a little at a time. An excellent fertilizer for this purpose is Stim-U-planT, an odorless, highly concentrated plant-food, in tablet form, with guaranteed chemical analysis of 11 per cent nitrogen, 12 per cent phosphoric acid, 15 per cent potash. The proportions are accurate, there is no wasted filler, and in this form you apply plant food exactly when and where and as needed.

Order Stim-U-planT tablets with your seed and plant order. Small size, 25c; 100 tablets, 75c; 1000 tablets, \$3.50.



McQueen's Inoculator is the only nitrogen fixing bacteria that is absolutely guaranteed to give satisfactory results or your money back. This is for your protection. You are the judge of results.

**GUARANTEE.** Use as many packages of McQueen's Inoculator as you wish, according to directions. If nodules do not appear in a satisfactory manner, we will refund the entire purchase price.

**REDUCED PRICES.** Tremendous sales on McQueen's Inoculator enables us to offer this quality merchandise at the following post-paid prices. We recommend McQueen's.

### FOR CLOVER AND ALFALFA

$\frac{1}{2}$ bushel size, inoculates 30 lbs. seed.....	\$0.50
1 bushel size, inoculates 60 lbs. seed.....	1.00
3-1 bushel size, inoculates 180 lbs. seed.....	2.50
6-1 bushel size, inoculates 360 lbs. seed.....	4.50

### FOR SOY BEANS, COW PEAS, VETCH AND OTHER PEAS AND BEANS

1 bushel size, inoculates 60 lbs. seed.....	\$0.50
2 bushel size, inoculates 120 lbs. seed.....	1.00
3-2 bushel size, inoculates 360 lbs. seed.....	2.50
6-2 bushel size, inoculates 720 lbs. seed.....	4.50

### GARDEN SIZE

For Garden Peas, Beans, Sweet Peas and Lima Beans .....\$0.20

Be sure to include McQueen's Inoculator with all your Legume Seed orders. Always state kind of seed you wish to inoculate.

We Will Send  
**BULLETINS AND PAMPHLETS**  
On Request On Any of the  
Fertilizers Mentioned Above



# Planet Jr. Farm and Garden Tools

A Complete Catalog Sent on Request.

Space will not permit us to fully list and describe the entire Planet Jr. Line of Garden Tools. The few that we are showing below are the best known of this world famous line. However, we will gladly send a complete Planet Jr., Catalog free of charge, on request. There has been another reduction in prices this year. We are selling at factory price, f. o. b. Denver.

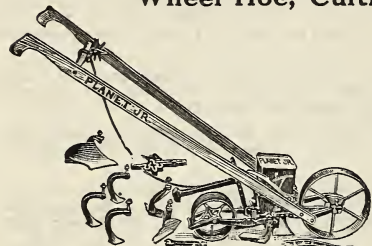
## No. 4 Planet Jr. Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow

**\$18.00**

NO. 4D, HILL AND DRILL SEEDER, less the cultivating attachments, \$14.25.

Holds 2½ quarts.

Weight, 50 lbs.



This accurate, easy running tool sows all garden seeds from small-est up to peas and beans in hills, 4, 6, 8, 12 or 24 inches apart, or in drills at the proper thickness and depth; rolling down and marking the next row all at one passage. By removing the seeder and substituting the tool frame you have a complete Single Wheel Hoe which plows, hoes, cultivates easily and thoroughly all through the season.

## No. 25 Planet Jr. Hill and Drill Seeder, Single and Double Wheel Hoe

**\$21.50**

Holds 2½ quarts.

Weight, 61 lbs.

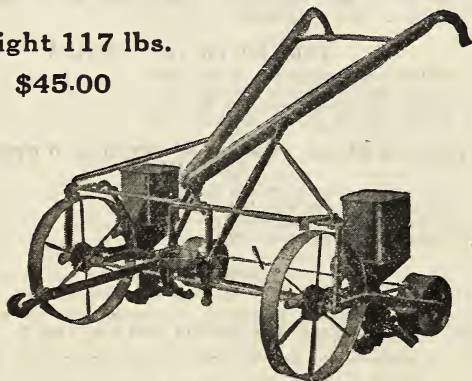


This is a splendid combination for a family garden, onion grower or large-scale gardener. As a Seeder it is the same as the No. 4 and does the same accurate work. Can be used as a Double Wheel Hoe to straddle rows. Hoes work close without injuring plants; cultivator teeth and plows do thorough work. Cutting tools specially hardened. Two acres a day can be worked with this tool.

## No. 157 Two-Row Seeder

Weight 117 lbs.

**\$45.00**



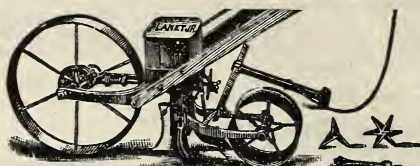
The No. 157 is now equipped with the New Multiple Seeder units which have a capacity of 5 quarts of seed. It is also equipped with a larger drive wheel which sets the frame several inches higher than formerly. This two-row seeder runs so lightly that one man can push it; but for all day work, a man or boy pulling on the front makes the draft extremely light for both. However, a horse is usually used. With the No. 157 you can sow rows from 10 to 36 inches apart. Clutches are provided to throw the feed wheels entirely out of gear for moving from place to place. Saves seed and makes the machine easy to handle.

## No. 3 Planet Jr. Hill and Drill Seeder

**\$17.50**

Holds 3 quarts.

Weight, 43 lbs.



A favorite tool with onion growers, market gardeners and seedsmen. Has 15-inch steel driving wheel. The V-shaped opening plow is adjustable for depth and leaves the seed in a narrow line, permitting close, rapid cultivation with wheel hoes. Sows uniformly in drills or in hills 4, 6, 8, 12 or 24 inches apart. Where the acreage is sufficient to warrant the use of separate seeders and wheel hoes, we specially recommend this very popular drill.

No. 5 Planet Jr. Hill and Drill Seeder; larger capacity than No. 3. Price, \$20.00.

## Planet Jr. No. 26 Drill Seeder

This Planet Jr. product has extra substantial, wide tread wheels, front and rear, that run easier and cover more evenly than any machine you have ever seen. It involves new principles in seed dropping and the hopper is detachable, making it convenient for emptying seed. This machine is shaft driven, eliminating the annoyance of loose chains. We recommend it to anyone wanting a real substantial seeder for all soils and seeds. Capacity, 4 quarts. Price, \$20.00.

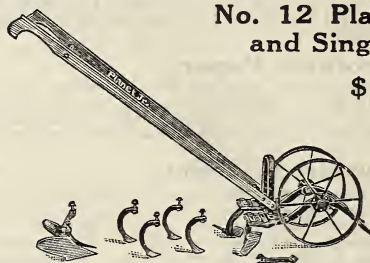
## No. 12 Planet Jr. Double and Single Wheel Hoe

**\$10.75**

Weight, 33 lbs.

Steel Frame

14-inch Steel Wheels  
A Double and Single Wheel Hoe in one. Straddles crops till 20 inches high, then can be worked between the rows with 1 or 2 wheels.



The Hoes are wonderful weed killers and leave the ground almost level. Cultivator Teeth for deep or shallow work. Plows are valuable for opening furrows, covering or plowing to or from the crop.

## No. 13 Planet Jr.

No. 13 Planet Jr., double and single wheel hoe equipped with one pair 6-inch oil tempered hoes. Weight, 28 lbs. Price, \$8.00.

## No. 17 Planet Jr. Single Wheel Hoe, \$7.75

Weight, 24 lbs.

Steel Frame

15-inch Steel Wheel  
Light and durable — can be used by man, woman or boy. Will do all the cultivation in your garden in the easiest and quickest way. High, easy running steel wheel.

They take the drudgery out of garden work and give bigger, better crops. Lasts a lifetime.

## No. 17½ Planet Jr. Single Wheel Hoe

No. 17½ Planet Jr. is equipped with one pair six-inch hoes, three cultivator teeth, oil tempered, and leaf lifter. Weight, 21 lbs. Price, \$6.75.

## No. 18 Planet Jr. Single Wheel Hoe

No. 18 Planet Jr. is equipped with one pair six-inch hoes only. Weight, 19 lbs. Price, \$5.75.

## Extras for Planet Jr. Hand Tools

6-inch Hoes, pair.....	\$1.30
7½-inch Hoes, pair.....	1.50
9-inch Hoes, pair.....	1.65
Cultivator Teeth, all steel, No. 1395, each.....	.35
Plows for single wheel Hoes, each.....	1.10
Plows for double wheel Hoes, pair.....	1.40
Double Mouldboard Plows, each.....	2.25
Onion Harvester, 8-inch, each.....	1.60
Handles, pair.....	1.00
Rakes, three-tooth, pair.....	.90
Rakes, five-tooth, pair.....	1.50
Disc Hoes, pair.....	5.50





**No. 119 Planet Jr. Garden Plow and Cultivator, \$4.75 NOT PREPAID**

The No. 119 High Wheel Garden Plow and Cultivator is a very handy tool for the back yard garden. The 24-inch steel wheel makes it an easy running tool, especially if the ground is rough or has not been carefully prepared. It is equipped with a 1 1/4-inch cultivating tooth, a 4-inch cultivating tooth, plow and reversible scuffle blade, all of which are useful and make gardening operations easier. Do not confuse the No. 119 Garden Plow and Cultivator with lower priced high wheel tools of this type. In every way it is up to Planet Jr. quality and will give many years of satisfactory service.

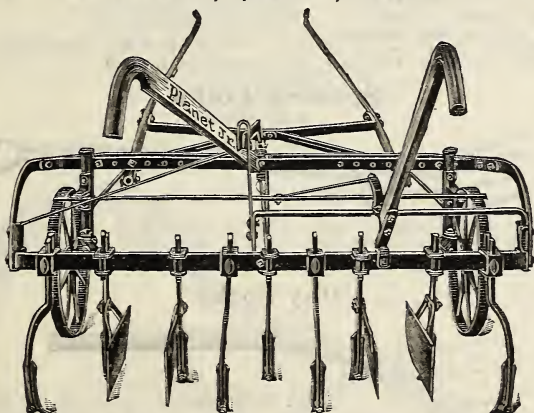
**No. 4 Iron King Steel Frame Seeder The Lettuce Seeder \$13.50 NOT PREPAID**

The No. 4 Iron King Seeder is constructed of steel throughout. That makes it practically indestructible. It is very simple to operate and has fewer and less complicated parts than any other seeder. This



seeder has a 15-inch front wheel and 13-inch rear wheel, each with 2 1/4-inch tires. It is equipped with 2 seed plates, 1 regular iron agitator, 1 brush agitator for tender seeds. The hopper is easily removed making it a very simple matter to empty the seed can without turning the seeder completely over. The V-shaped shoe makes it possible to sow all seeds in an exact line and at a uniform depth. This machine excels as a Lettuce Seed planter, but it will also sow other seeds efficiently.

**No. 53 Planet Jr. Two-Row Walking Cultivator, \$52.50, Denver**



An economical and profitable tool to use for the cultivation of market garden crops, truck crops, sugar beets and beans. It is all steel except the handles and can be steered with ease by means of the pivot wheel and hand lever. Equipment: Two pairs 6-inch hoes and standards; three 8-inch improved sweeps; seven 1 1/4x8 steels and standards. Packed weight, 246 lbs.

**No. 53D Planet Jr. Two-Row Walking Cultivator, \$46.50, Denver**

This is exactly the same tool as No. 53 but with less equipment. Two pairs 6-inch hoes and standards; three 8-inch improved sweeps. Packed weight, 227 lbs.

For shallow work the equipment of No. 53D, hoes and sweeps, is sufficient but for deep work, the cultivator teeth, as supplied with No. 53, are necessary.

No. 3 Planet Jr. Four-Row Sugar Beet and Bean Horse Hoe and Cultivator. Complete.....\$110.00  
No. 3D. Same with hoeing attachments, only..... 95.00  
No. 220 Planet Jr. Fertilizer Distributor..... 27.00

**Planet Jr. One-Horse Cultivators Planet Jr. No. 82**

Horse Hoe and Cultivator, equipped as illustrated. Weight, 76 lbs.

**\$15.75 NOT PREPAID**



This tool has depth wheel and lever expander, turning shovels and shovel steel. The expanding lever slants backward between the handles, where it is well protected and cannot injure crops; no wires to stretch. The turning shovels are of special shape; useful in connection with the rear shovel in opening furrows and afterwards for covering them, and for plowing and hilling.

**Other Planet Jr. Horse Hoes and Cultivators NOT PREPAID**

No. 9—5-tooth Horse Hoe with steel wheel. Has plain wheel. No depth lever, adjustable to any reasonable depth and useful width.....\$14.25  
No. 83—7-tooth, Plain Cultivator, with wheel and lever expander..... 14.25  
No. 101—5-tooth Plain Cultivator, with wheel and lever expander..... 11.00  
No. 107—7-tooth Plain Cultivator with wheel and lever expander..... 12.75  
No. 91—12-tooth Harrow without Pulverizer..... 12.75

**No. 54 Iron King Twin Row Seeder**

**\$36.00 Denver**



This two-row seeder, designed and built similar to the No. 4 Iron King single row seeder, may be run by hand or drawn by a horse, or attached to a cultivator. It works efficiently and is recommended unreservedly as a time and labor saver. Weight, 110 pounds. Price, \$36.00 each, Denver.

**Eclipse Corn Planter**



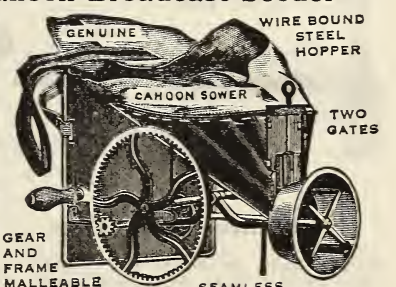
This All-Steel Rotary Planter has given unequaled satisfaction for the past ten years. It has a positive feed and four changes of discs, and will sow Corn, Amber Cane, Kafir, Sudan Grass, Milo Maize, Beans, Peas, etc. It is very simple and works very easily; it will plant anything from cane to corn; and is arranged to drop one, two or three grains at a time as desired. Mailing weight 10 lbs. Price, \$2.00 each, not postpaid.

**Acme Corn Planter**

Works in any soil; has a flexible and adjustable iron drop. Very simple in construction. It has an iron seed box and iron channel. The foot is made of polished steel. It is well made, strong and will give complete satisfaction. Weight 7 lbs. Price, \$1.25 each, not postpaid.

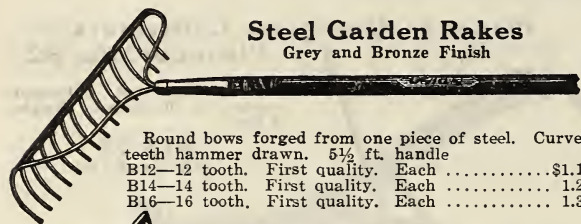
**Genuine Cahoon Broadcast Seeder**

The Cahoon Broadcast Seed Sower is a compact, easily operated machine and is guaranteed to give satisfaction in every way if used according to instructions. It is so well constructed it will last a lifetime in any climate. The seed bag is made of heavy duck and holds about 22 quarts. The control that regulates the flow of grain is very simple and is easily raised and lowered so that any amount per acre may be accurately sown. Mailing weight, 8 pounds.



Price, \$4.50 each, not postpaid.

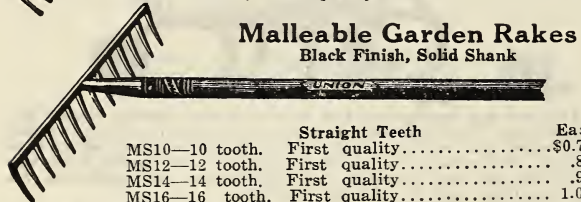




### Steel Garden Rakes

Grey and Bronze Finish

Round bows forged from one piece of steel. Curved teeth hammer drawn. 5½ ft. handle  
 B12—12 tooth. First quality. Each .....\$1.15  
 B14—14 tooth. First quality. Each .....1.25  
 B16—16 tooth. First quality. Each .....1.35



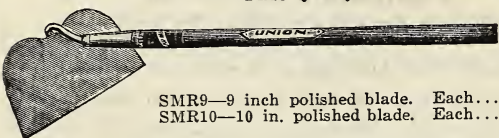
### Malleable Garden Rakes

Black Finish, Solid Shank

**Straight Teeth** Each  
 MS10—10 tooth. First quality.....\$0.75  
 MS12—12 tooth. First quality......85  
 MS14—14 tooth. First quality......95  
 MS16—16 tooth. First quality..... 1.05

### Solid Socket Mortar Hoaxes

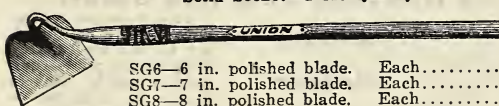
First Quality



SMR9—9 inch polished blade. Each.....\$1.25  
 SMR10—10 in. polished blade. Each..... 1.50

### Field and Garden Hoaxes

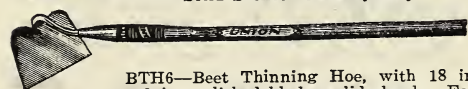
Solid Socket—First Quality



SG6—6 in. polished blade. Each.....\$1.00  
 SG7—7 in. polished blade. Each..... 1.10  
 SG8—8 in. polished blade. Each..... 1.20

### Beet Hoaxes

Solid Socket—First Quality



BTH6—Beet Thinning Hoe, with 18 in. handle,  
 6 in. polished blade, solid shank. Each.....\$0.90



Each  
 SBT4—4 in. Celery Hoe, 4 1/3 ft. handle.....\$1.00  
 SBT6—6 in. Nurseryman's Hoe, 4 1/3 ft. handle. 1.00  
 SBT7—7 in. Nurseryman's Hoe, 4 1/3 ft. handle. 1.10  
 SBT6—With 18 in. handle ..... .90



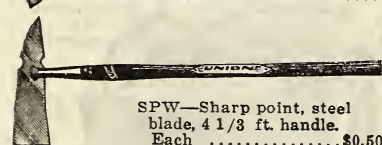
### Onion Weeder

OW—3 in. steel blade, bronze finish, 8-in.  
 handle. Each .....\$0.60



### Steel Weeding Hoaxes

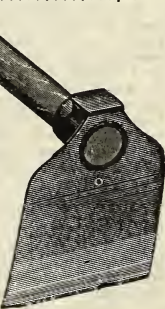
2PW—2 prongs, steel blade, 4 1/3 ft. handle. Weight  
 2 lbs. Each.....\$0.50



SPW—Sharp point, steel  
 blade, 4 1/3 ft. handle.  
 Each .....\$0.50

### Planters Eye Hoe

SE000—Dutch or Potato Hoe. 6-inch  
 half polished blade, Scovill field pattern.  
 Fine for crushing lumps. Weight, 3  
 lbs. Each.....\$0.90



### Victory Garden Cultivator

VC5—Five adjustable steel blades. 4 1/3  
 ft. handle. Convenient and easy to handle.  
 Weight, 4 lbs. Each, \$1.25.



### Garden Dibbles

For Transplanting Plants and Bulbs

No. 218—Wood handle, hardened steel point. Weight,  
 1 lb. Each 50c, postage extra.  
 No. 220—All iron, hardened steel point. Weight, 1 lb.  
 Each, 50c, postage extra.

### Asparagus Knife

Tool steel, hand made.  
 Good for digging dandelions  
 as well as cutting asparagus.  
 Each, postpaid, 35c.



### Weeders

**THE IDEAL WEEDER**  
 is one of the best weed-  
 ers ever used in a garden.  
 Made from special high  
 grade steel and will last  
 a lifetime. Each, 25c;  
 postpaid, 30c.



### Hand Weeder

No. 87 Hand Weeder, made of  
 one piece of hard, stiff steel.  
 Ground edges and baked black  
 enameled handle. Price, each,  
 20c.



### Magic Weeder Hoaxes

Popular, labor-saving,  
 low priced cultivating de-  
 vices.

Style A. Three galvan-  
 ized tines. Width, 2 in-  
 ches; length, 9½ inches.  
 15c each, or 20c, post-  
 paid.

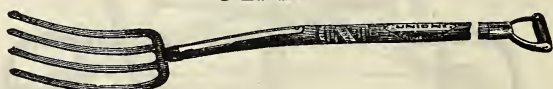
Style C (Illustrated).  
 Four galvanized tines.  
 Width, 3 inches; adjust-  
 able; length, 10 inches.  
 30c each, or 40c, postpaid.

Style G. Four galvanized tines. Width, 5 inches; adjustable;  
 length, 57 inches. 90c each, by express, not prepaid.



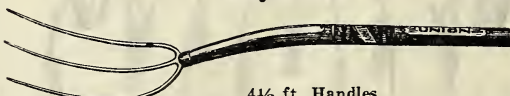
### Spading Forks

D Handles



SALD—Light, polished tines, strap ferrules. Each.....\$1.25  
 SAHD—Heavy, polished tines, strap ferrules. Each..... 1.50  
 TSAW—Jumbo, extra heavy, strap ferrules. Each..... 1.90

### Hay Forks

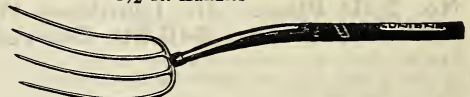


4½ ft. Handles

AS134½—Four 13-inch tines, strap ferrules. A good alfalfa fork.  
 Each, \$1.65.  
 KS154½—Four 15-inch tines, deep dish, strap ferrules. Kansas  
 header fork. Each, \$2.00.

### Manure Forks

4½ ft. Handles



S44½—Four polished tines, strap ferrules. Each.....\$1.65  
 S54½—Five polished tines, strap ferrules. Each..... 1.85  
 S64½—Six polished tines, strap ferrules. Each..... 2.00

### Irrigating Shovels

Light or heavy .....\$1.85



### Pruning Shears

No. 4678—Crucible steel blades, polished and tempered; double flat brass springs; ratchet, lock nut. Polished malleable iron handles. Weight, each, 1¼ lbs. Length, 9½ inches. Each, \$2.00, not prepaid.



No. 4667—9 inch, polished same as above only not quite so smooth a finish. Each, \$1.75, not prepaid.

No. 4667—9 inch, black, same as above. Finished in black—a mighty good shear. Each, \$1.15, not prepaid.

### Long Handle Tree Pruners



No. 2030—30-in. handle, both sides drop forged from special alloy steel, polished and tempered; reinforced ferrules, polished; natural finish. Hardwood handles; lock nut. Each, \$2.85, not postpaid.

### Hedge Shears

No. 101T—8 inch. Straight forged steel blades; notched. Each, \$2.25, not prepaid.

No. 101T—9-inch Blades. Each, \$2.50, not prepaid.

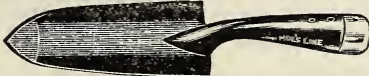
### Lettuce Trimming Knife



This is the style of knife used in the big lettuce loading sheds for trimming Head Lettuce. Made of high carbon polished steel. It is light, strong, and durable. Each, 50c.

### Nikelkap Garden Tools

Are made of heavy pressed steel, with blade and handle all in one piece, and fitted with smooth nickel plated cap on the end of the handle, affording an easy grip without causing fatigue.



No. 480—Garden Trowel. 6-inch blade. Each, 25c.



No. 481—Transplanting Trowel. Narrow blade 6 in. long. Each, 25c.

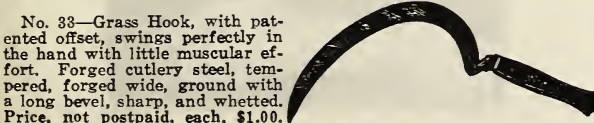


No. 482—Steel Garden Weeder. Five steel claws. For weeding and mulching. Length, 9½ in. Each, 25c.

### Grass Hooks

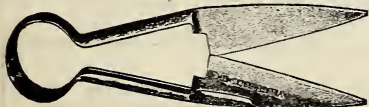


No. 4—Grass Hook, cutlery steel; corrugated, tempered blade; ground wide, thin and sharp. Riveted handle. Price, not postpaid, each, 60c.



No. 33—Grass Hook, with patented offset, swings perfectly in the hand with little muscular effort. Forged cutlery steel, tempered, forged wide, ground with a long bevel, sharp, and whetted. Price, not postpaid, each, \$1.00.

### Grass Shears



No. 380—5½ -in. half polished blades; polished shanks. Price, not postpaid, each, 50c.

No. 380RB—Same style as No. 380, with red enameled bow, better quality. Price, not prepaid, each, 75c.

### Grasnips

No. 1927—Handles offset leaving clearance for hand and blades flat or parallel to ground. Price, not postpaid, each, \$1.00.

### Cyclone Seed Sower

The Cyclone Sower is guaranteed to distribute seed perfectly, and will not throw seed in an upward direction or against the operator, but direct and evenly to the land. Sows clover, timothy, red top, alfalfa, oats, rye, wheat, millet, buckwheat, turnip and other varieties of farm seeds. Clover seed is sown at a width of 18 feet; timothy, 15 feet; alfalfa, 20 feet; wheat, 25 feet; millet, 18 feet; oats, 18 feet.

Price, \$2.50 each, postpaid. \$2.25 each, not postpaid.



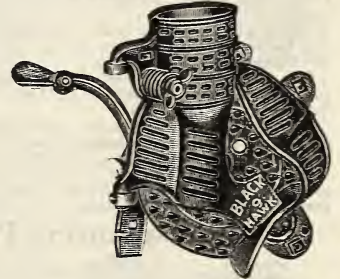
### Blackhawk Grist Mill



This little mill is invaluable for farm and family use and a favorite with poultry keepers. It is warranted to wear well and to grind corn, wheat, rye, rice or other small grains or spices. A long crank takes the place of the heavy hand wheel usually found on mills of this class, thus accomplishing a saving in cost and freight. Weight, 12 lbs. Price, \$3.50, not postpaid.

### Blackhawk Corn Sheller

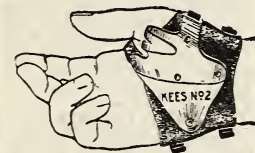
This is a substantially made tool, easy to run; a boy can shell a large quantity a day with this machine. We have never known one to get out of order—will last a lifetime. Mailing weight, 12 lbs. Price, \$3.25 each, not postpaid.



### Husking Tools

Not Postpaid Unless Included with Sufficient Other Goods  
No. 200—Husking Peg. 16 gauge steel, heavy leather strap and lining. Each, 15c.

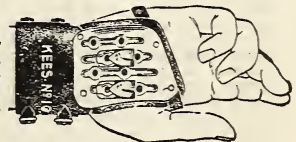
No. 202—Husking Peg. Like No. 200 but with large leather guard to protect first finger. Each, 20c.



No. 2—Hook Corn Husker. Heavy steel hook shaped to fit the hand and base of thumb, riveted on a heavy leather wrist band and thin steel shield. Adjustable, two straps and buckles. Price, each, 30c.

No. A1—Is similar to No. 2, but has larger wrist band and fastens with three straps and buckles. Price, each, 35c.

No. 10G—Adjustable Corn Husker. Two hooks that may be adjusted to different positions. The palm is lined with soft leather. Fastens with three buckles. Price, each, 45c.



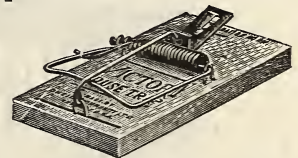
### Traps

Catch the mice and rats and prevent loss.

Victor Mouse Traps. Three for 10c.

Victor Rat Traps. Each, 20c.

Not prepaid unless included with other goods.



### Galvanized Watering Pots

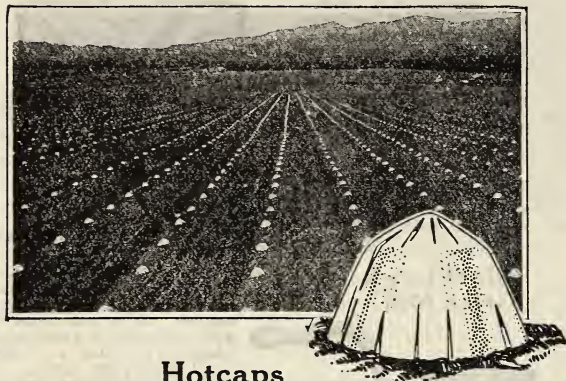
Or sprinkling cans. Very convenient for hotbed use.

No. 616—6 quart. Each, not postpaid.....\$0.85  
No. 520—10 quart. Each, not postpaid.....1.20  
No. 526—16 quart. Each, not postpaid.....1.70





## Higher Prices for Your Crops



## Hotcaps

This Amazing New Method of Plant Protection gets you Higher Prices for Larger and Quicker Crops.

Thousands of growers have added to the value of their vine crops by using Germaco HOTKAPS—shown above. This remarkable invention consists of a scientifically constructed wax paper cone that you place over each plant. Thus they are miniature hot-houses that protect plants from frost, wind, rain, insects and ground crusting.

HOTKAPS not only protect plants, but make them grow harder and faster. Thus you get a greater crop production to market earlier for higher prices!

One man can "set" 3000 Hotkaps per day. They not only bring you higher prices, but are a method of crop insurance—against the danger of the elements.

Prices: 1,000 lots, \$11.50; 5,000 lots, \$11.00; 10,000 lots, \$10.75. 250 trial package, including special type garden setter, \$4.00; Germaco steel HOTKAP setter, \$2.50.

If you need HOTKAPS for your back yard garden, note these prices: 50 with special setter, \$1.50; 100 with garden setter, \$2.25; garden setter alone, 50 cents.

## Transplanting Plant Bands



The simplest way to handle plants for transplanting is to grow them in our Ready-to-use Plant Bands, because they are ready to use and no time is lost in setting them up. You will find these bands very economical; they make an ideal worm guard. When transplanting the old way the roots are exposed to air and with the result are seriously set back. With Plant Bands it is even possible to transplant corn and cucumbers. Plants started in these bands and set in the field never know they have been moved.

Prices on these bands with folding bottoms; prepaid if included with sufficient other goods.

	Doz.	100	250	1000
2-P, 2" x 2"	\$0.15	\$0.65	\$1.25	\$4.50
3-P, 3" x 3"	.20	.75	1.75	6.00
4-P, 4" x 4"	.25	.85	2.00	7.00

Order these with your seeds. Start the seeds early indoors in flats or boxes, transplant single plants into these bands and when the weather is settled set the plant in the garden without removing the band. Growth is not retarded and the plant is further advanced.

## Auto Display and Feeding Coop

This new coop is of the same durable construction as the shipping coop shown below. It is made of the best galvanized wire permanently welded at each joint. There are two sections with roomy doors opening to each. The floors are strong and easily removed for cleaning. It is the most sanitary coop on the market. It is 41 inches high and 13 inches wide, weighs 19 lbs. and can be easily attached to the running board of any automobile, replacing the unsightly, unsanitary makeshift coop that protrudes beyond the car and is a menace to traffic. It is also excellent for display and feeding purposes, or when not on the auto for general use about the poultry yard. Price, not prepaid, \$3.00 each.

## Wire Shipping Coop



This shipping coop is, as illustrated, strongly built of galvanized wire and is electrically welded at each joint. It is 41 inches long, 13 inches high and 27 inches wide. The floor is easily removed. The floor in the top can be securely fastened, very quickly. Every poultry shipper should have one.

Price, not postpaid, \$3.00 each.

## Steel Sacking Needles



Not postpaid unless included with other goods.

	Each		Each
4 inch Bent	\$0.05	5 inch Straight	\$0.15
5 inch Bent	.10	5½ inch Straight	.20
5½ inch Bent	.10	6 inch Straight	.20
6 inch Bent	.10	5 inch Spring Eye	.35
7 inch Bent	.20	5½ inch Spring Eye	.40

## Twine for Sacking and Tying

2½ oz. balls, 4 ply White Cotton.	Each	\$0.10
½-lb. balls, 4 ply Jute.	Each	.20
4 ply Jute in Skeins.	Per lb.	.45
4 ply Flax in Skeins.	Per lb.	.55
16 ply Cotton in Skeins.	Per lb.	.60

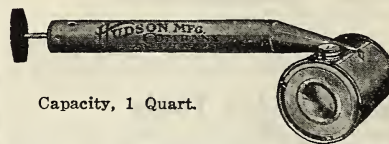
Not postpaid unless included with sufficient other goods.

Juts Twine for tying Celery and Bunch Vegetables, in ½-lb., 3-lb., and 5-lb. Balls. 30c per lb.

Celery Tape. No. 17, Fast Blue or Red, for tying Celery for market, 1000-yard spools, Each, \$3.00.

## Hand Sprayers and Dusters

The hand sprayers shown below are very useful in small gardens, for spraying house plants, poultry houses, etc., and applying liquids in a fine mist with no waste.



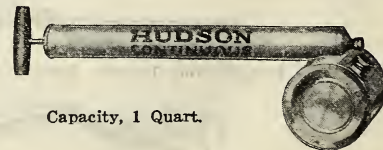
Capacity, 1 Quart.

## Misty Sprayer

A universal favorite with the largest sale to its credit of any similar type sprayer. Note its sturdy appearance and construction by which we combine strength, simplicity, and neatness. The point of the pump passes through the tank and is firmly soldered. Spray tube is aligned before soldering so that the air and syphon tubes are always in line. Every sprayer carefully inspected and tested before packing. Weight, 1½ lbs. Price, not postpaid, with tin tank, 50c.

MIDGET SPRAYER. Same construction as the Misty. Tin tank. 1 pint capacity. Each, not postpaid, 35c.

## Continuous Hand Sprayer



Capacity, 1 Quart.

No. 426 Continuous Sprayer handles very efficiently fly oils, insecticides, disinfectants and all spray solutions. The spray nozzle is adjustable from a solid stream to an extremely fine mist. Very rigid construction with pump recessed into top of tank and securely soldered. All working parts are of brass and are removable for cleaning, a feature not found in other sprayers of this type. Capacity one quart. Lock-seamed and soldered throughout. Price, not prepaid, heavy tin tank, 75c each.

## Feeney Model B Duster



For gardens flowers, etc., used also for spraying powder for killing flies, roaches, mosquitos, etc. Perfect regulation. Only duster that actually shoots! Price, \$1.00 each. Postpaid, \$1.25.

For Information Regarding Insecticides see pages 86 and 87. Authoritative information prepared by the manufacturers of the different Insecticides will be mailed on request.



# Spray Pumps

## Compressed Air Sprayer

This is a high pressure compressed air sprayer for any and all work. It is particularly adapted for spraying potatoes and garden truck, fruit trees, and vines, shade trees and ornamental shrubs, for whitewash, cold-water paints, disinfectants, de-odorizers, insecticides, stock dips, floor oils, etc.

Tank is heavy gauge galvanized sheet or all brass as ordered. All seams are riveted and soldered. Pump is of seamless brass tubing which seals into the tank by a simple twisting device controlled by a turn of the D handle. It is easily removed for filling, cleaning, etc. Hose is special spray hose for high pressure. Equipped with automatic shut-off nozzle, and can be used with an extension if desired.

Capacity, about 4 gallons. Shipping weight, 11 pounds.

No. 110G—Galvanized tank. Price, each, \$6.50.

No. 110-B. Brass tank. Price, each, \$9.00.



## Compressed Air Junior Sprayer

This sprayer has the same construction as the larger one, but it is designed for those who have only a small amount of spraying and who desire a lighter load. Capacity, 2½ gallons. Weight, 8 lbs.

No. 140G—Galvanized tank. Each, \$5.00.

No. 140B—Brass tank. Each, \$8.00.

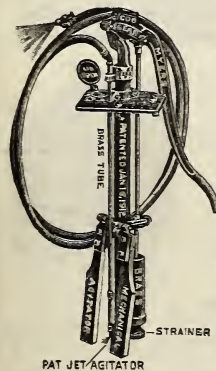
## Little Giant Sprayer

These spray pumps are constructed entirely of brass. They are so arranged that the labor of pumping is all done on the downward stroke of the piston and nothing on the up. The effect of this operation while pumping is to hold the pump down. The foot rest steadies the pump, holding it in proper position. They are provided with large air chambers, and have brass ball valves and detachable hose; the nozzle throws a continuous spray, and is not affected by the movement of the plunger. Will carry a pressure on the nozzle of from 50 to 100 lbs. with very ordinary exertion. Will throw a stream fifty feet, and are of unusual value for spraying trees, washing windows and buggies, extinguishing fires, sprinkling lawns, flowers. Weight, 6 lbs. Price, \$4.25 each, not postpaid.



## Cog Gear Barrel Spray Pump

The construction is such that the entire pump sets inside the barrel containing the liquid, being bolted fast at its upper end to the head of the barrel. By this arrangement the working parts are entirely submerged in the liquid that is to be sprayed, thereby avoiding all possibilities of losing priming, doing away with the necessity of a suction pipe, placing the agitator in the bottom of the liquid in a simple form, and also doing away with a large amount of complicated parts. Base fits 8x8 inch hole. Weight, 40 lbs. Price, complete with 15 feet hose and nozzle, \$15.00.

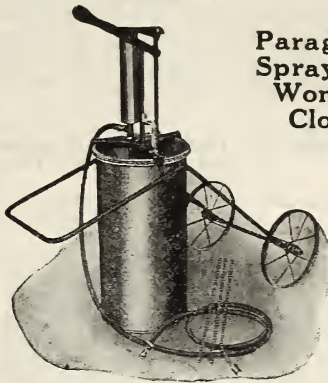


## Crank Driven Duster

We offer a Crank Driven Powder Duster that can be used with one or two nozzles. Will handle any powder to an accurate gauge. Growers with extensive acreage will find this a very efficient machine. Weight, 22 lbs. Price, \$15.00.

## Paragon Sprayers

This is the only machine on the market that works satisfactorily for several purposes. It is positively a first-class white-washing machine, as well as a tree spraying machine. The spray nozzle cannot clog, no matter how dirty the liquid, as the liquid passes through the automatic self-strainer before entering the pump. A heavy, steady pressure is easily obtained. This is a very well constructed and a lasting and durable machine. A guarantee is furnished with every one.



## Paragon No. 3

Twelve-gallon. Equipment, 7½ feet extension pipe, 10 feet 6-ply hose, 2 spraying nozzles. This machine is mounted on a strong steel frame, and can easily be wheeled to any desired place. Price, \$25.00.



## Paragon No. 1

Five feet 6-ply hose, 5 feet spray hose, 2 nozzles. This cut of No. 1 Sprayer shows inside mechanical arrangement and patented self-cleaning strainer. No other sprayer can show this feature. Price, \$17.50.

## Improved Knapsack Sprayer



This is a very perfect hand sprayer of extremely simple and compact construction and can be carried around with the greatest ease. This pump insures a uniform, maintained pressure; a constant agitation of the fluids and a thorough distribution of the spray in an all-enveloping mist that reaches every spot. The nozzle is a masterpiece of scientific ingenuity. The stress bearing parts of this pump are machined brass and specially treated heavy rubber. There are no pump troubles with the Improved Knapsack Sprayer. It is simple, efficient, durable, and light. Weight, 14 lbs. Price, not postpaid, \$18.00 each.

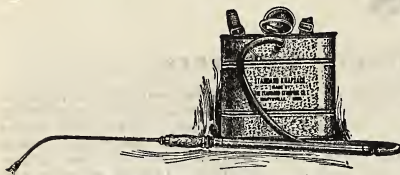
## Improved Knapsack Duster

This Powder Duster is an efficient companion for the Improved Knapsack Sprayer. This type is commonly called a "puffer" as the flow is intermittent, not constant, but for general use it is the most serviceable. It will dust Sulphur, Arsenate of Lead, Paris Green, Bordeaux Powder, Lime, Tobacco or Nicotine Dust. It is light, weighing only 11 lbs. (shipping weight, 17 lbs.), and is carried on the back, as a knapsack, with ease. A light stroke of the lever insures an even flow of material with sufficient force for thorough penetration. Equipped with fine and coarse screens and adjusting slide to regulate volume of flow. The Improved Knapsack Duster is of the bellows type, and has no cogs, wheels, belts or other complicated mechanism that would be likely to wear and give trouble. Price, not postpaid, \$15.00 each.





## Armstrong Standard Spray Pump



PUMP AND KNAPSACK, \$8.50.  
Weight, 12 lbs.

The Armstrong Standard Spray pump is ideal for spraying liquid insecticides of all kinds, for white-washing poultry houses and cattle barns, for spraying disinfectants in buildings or on animals and poultry, for fire protection, for veterinary use, for washing autos—there is almost a daily use for the Armstrong Standard about the home, farm, garden, and orchard.



PUMP WITHOUT KNAPSACK. Weight, 5 lbs. Price, each, \$5.00.

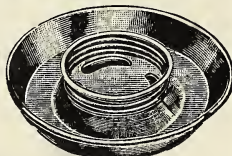
## Star Fountain No. 32



The Star Fountain is made of a single piece of heavy non-rusting metal without seams, solder or loose parts. It cannot leak. Little chicks cannot drown. It can be used for feed as well as water. Made in one size only which will fit any Mason jar. We do not furnish the jars. Price, each, 10c, not postpaid.

## Round Jar Fountain

The Round Jar Fountain is made in extra heavy galvanized iron or blue enamel without the use of solder. There is only one size but it fits any Mason Jar. We do not furnish the jars. This is a very sanitary fountain. It is well made and will last indefinitely. Price, each, 10c, not postpaid.



## Round Baby Chick Feeders



These feeders are very popular as the chicks cannot upset them and they keep the feed clean and sanitary. The top fits snugly but can be easily removed for cleaning and filling. They are well made from the best quality tight coated galvanized iron and can be used for water or milk as well as mash and grain feed. Made in two sizes.

Prices, not postpaid: No. 11, 8 holes, 12c; No. 12, 12 holes, 25c each.

Same style feeders made of bright charcoal tin for feeding butter-milk. No. 131, 8 holes, 20c each. No. 132, 12 holes, 35c each.

## Eclipse Feed Troughs

This is a fine popular priced feeding trough made of galvanized iron and intended for chicks and growing stock. The pan and top are both stamped in one piece, no seams, rivets or solder used. The sliding top makes them easy to fill and keep clean. Made in two sizes. Prices, not postpaid.



No. 27—10 in. long, 10 holes, each.....\$0.25  
No. 28—20 in. long, 20 holes, each..... .40

Same style feeders made of bright charcoal tin for feeding butter-milk.

No. 137—10 in. long, 10 holes, each.....\$0.30  
No. 138—20 in. long, 20 holes, each..... .45

## Long Chick Feeders

Made of heavy galvanized steel, with sliding top cover, easy to clean and refill. A great time and labor saver.

No. 140—Capacity, 10 quarts. Feeds 32 chicks at a time. Each.\$1.30  
No. 141—Capacity, 17 quarts. Feeds 54 chicks at a time. Each. 1.95

## Cone Top Bottom Fill Fountains

This popular, low-priced water fountain is made in two pieces, accurately stamped and formed from the best quality galvanized iron, in three sizes. It is easily filled and easily cleaned. The round taper shaped top prevents bursting from freezing and keeps the fowls from roosting on it.

No. 19—1 qt., 6 in. high. Each.....\$0.25  
No. 20—2 qts., 8 in. high. Each..... .40  
No. 24—1 gal., 9½ in. high. Each..... .55



## Grit and Shell Boxes

Grit, shell and charcoal are necessary for the health and growth of the fowl. The best and most economical way to feed these is in compartment boxes that may be hung on the wall of the poultry houses in convenient places easily accessible to the fowls. Made of heavy galvanized iron in three sizes. These boxes may also be used for other feeds.



Each  
No. 45—Square bottom, 2 compartments..\$0.45  
No. 9—Round bottom, 3 compartments... .90  
No. 90—Round bottom, 4 compartments.. 1.20

## Thermometers and Hygrometers

No. 5774—Tycoos, angle pattern, flange on upper edge turned over to hook on wire or metal strip, four inch scale. Each, postpaid. 90c.

No. 5770—Tycoos, straight pattern with adjustable brass legs, four inch black oxidized brass scale with white filled figures and graduation. Each, postpaid, \$1.00.

No. 5782—Tycoos Certified, angle pattern, four inch black oxidized brass scale; every fifth line and figure stamped on scale and white filled and every single degree engraved on mercury filled tube. Each, with certificate, postpaid, \$1.50.

No. 5981—Tycoos Soil (Hotbed) Thermometer. 15-inch V-shaped wood case with handle, strong pointed metal end. Each, not postpaid, \$2.75.

No. 5796—Tycoos Incubator Hygrometer, 3¼ inches high and 4¼ inches wide over all. Prevents loss of millions of chicks by indicating the percentage of moisture. Complete with bowl, wick and thermometer, each, postpaid, \$2.00.

## Glass Nest Eggs

These are a very close imitation of a real egg, both in shape and color. They are durable and not easily broken. Each, 5c; per doz., 40c, not postpaid.



## Spiralet Celluloid Leg Bands

Ten showy colors permit different flocks to be readily identified. Very light and durable.

	12	25	50	100	1000
No. 5—Pigeon .....	\$0.10	\$0.20	\$0.35	\$0.60	\$4.00
No. 4—Day Old Chick.....	.10	.20	.35	.60	4.00
No. 8—Mediterranean .....	.15	.25	.40	.70	6.00
No. 11—American .....	.15	.25	.40	.70	6.00
No. 12—Asiatic .....	.15	.30	.55	1.00	8.75
No. 14—Turkey .....	.20	.30	.55	1.00	9.75

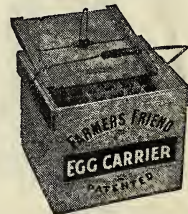


## Adjustable Leg Bands

Made of pliable aluminum. 12 for 15c; 25 for 25c; 100 for 75c.

## Farmer's Friend Egg Carrier

This is a strongly built, light weight Egg Carrier, that holds 12 dozen eggs. But the patent adjustable cover makes it possible to carry one dozen just as safely as 12. The farmer and poultry man will find it very serviceable. Weight, 8 lbs. Price, not postpaid, each, \$1.25; six dozen size, each, \$1.00.



## Egg Cartons

These are convenient for marketing eggs by the dozen. We have them in two styles, oblong, 3 eggs by 4 eggs; and long, 2 eggs by 6 eggs.

They are one thickness of pasteboard with light weight fillers. Both are one dozen egg size.

	Doz.	125	250	1000
3x4 .....	\$0.20	\$1.40	\$2.50	\$9.50
2x6 .....	.30	2.50	4.50	16.00

Poultrymen requiring larger feeders and waterers and those who buy in large amounts may find it to their advantage to advise us of their particular needs.



# Stock and Poultry Feeds

## Blatchford's

### Blatchford's Chick Mash



Blatchford's Chick Mash is the favored starting and growing feed of the most prominent poultry raisers in the country. It contains all the feeds and nutrient chicks need right from the start. It shields them from white diarrhea bowel trouble and leg weakness.

This mash is neither a tonic nor a medicine, but a nutritious, wholesome, palatable body-builder. It promotes health, vitality and growth by building up sturdy, disease-resistant frames. It does not force, but by supplying proper nourishment to each and every part of the body, it promotes steady and complete development in the shortest possible time.

Blatchford's Chick Mash contains no screenings, hulls or cheap by-products from the manufacture of breakfast foods, cereal foods or scratch grains. It carries chicks all the way—starts, grows and matures—without change of rations, or Blatchford's Growing Mash may be substituted at the end of 4 or 6 weeks. 10-lb. bag, 75c; 25-lb. bag, \$1.50; 100-lb. bag, \$5.50, not prepaid.



### Blatchford's Growing Mash

Price, 25 lbs., \$1.25; 100 lbs., \$4.00.

### Blatchford's Calf Meal

Blatchford's Calf Meal is the original Milk-Substitute. It was the first on the market. For over one-third of a century it has been successfully used in raising calves by the most progressive farmers and dairymen in this country. It is the only calf meal backed by so remarkable a record.

Its success is due to three things. FIRST, its quality. Blatchford's is above all a quality calf meal. Only the best materials are used in its manufacture. It contains no waste materials or by-products of low feeding value. SECOND, it contains all the nutritive and



growth-producing properties required by the calf. The finest and healthiest of calves can be raised upon it. THIRD, it is economical. One pound makes a full gallon of pure milk-substitute and it can be used at less than half the cost of using milk.

Blatchford's Calf Meal raises calves from babyhood. It is extremely palatable. It is easy to feed. It saves both milk and money. It will pay you to use it. 25 lbs., \$1.50; 50 lbs., \$2.80; 100 lbs., \$5.50, not prepaid.



### Blatchford's Egg Mash

Blatchford's "Fill-the-Basket" Egg Mash is built upon the principle that eggs are manufactured from the feed the hen receives. In other words, the hen is an egg-making factory. Her feed is the raw material from which she makes her eggs. Consequently, her feed must be rich in materials required for egg-production. Scratch grains alone are not sufficient. They will maintain the hen's life, but surplus nourishment is absolutely necessary if she is to yield her maximum of eggs.



Blatchford's Egg Mash contains a large variety of the best materials available for egg manufacture. It successfully solves the problem of securing eggs both Winter and Summer. Feed it—you will find it a profitable thing to do. Every bag guaranteed to give satisfaction.

Price, 25 lbs., \$1.25; 100 lbs., \$4.00, not prepaid.

### Blatchford's Lamb Meal

Price, 25 lbs., \$1.50; 50 lbs., \$2.80.

### Blatchford's Pig Meal

Price, 25 lbs., \$1.50; 50 lbs., \$2.75.

### Kow-Kare

The Best and Cheapest Insurance on the Health of Your Cows

KOW-KARE has been used for a longer period of time and by a larger number of dairymen than any other remedy with which we are familiar. This can mean but one thing—KOW-KARE is a trusted preparation. Not only is KOW-KARE as near to an infallible remedy as can be, but it is without harmful effect. There is nothing in it but what is comforting and curative. Recommended for Scouring, Lost Appetite, Bunches, especially for possible or threatened Abortion, for Barrenness, for Retained Afterbirth and Milk Fever. Large size, \$1.25; medium size, 65c; six large cans, \$6.25.



### Bag Balm

For all diseases of udder and teats, such as caked bag, sore teats, bunches, chapping, cuts, or inflamed parts, you can use this remedy with perfect safety; positive results in every case. There is nothing better for keeping all the parts healthy and in the pink of condition—sanitary and clean. The use of BAG BALM will make decidedly easier milkers of your herd. It has a variety of uses. That it is effective and gives real results in even the most stubborn ailments is proved by scores of letters from



those who have used it. Insist on Bag Balm manufactured by The Dairy Association. Price, 60c.

### Grange Garget Remedy

Manufactured by The Dairy Association, for that serious disorder peculiar to cows, and which is a disease by itself. Grange Garget Remedy goes scientifically to the seat of the trouble. Can, 65c.

### More Milk From the Cows You Have

A valuable book, furnished free.

### Gold Seal Baby Chick Feed

HOYT'S MIXTURE. A wholesome, ready prepared, starting feed which will nourish the chicks so they can make rapid growth. Contains the necessary materials to form bone and feathers, such as seeds, millet, and grains. It gives the chicks quick growth and tends to keep them in good health. To properly develop the chick, either for market or to become a producer of eggs it must be fed such feed as will promote growth quickly and uniformly. 5 lbs., 25c; 10 lbs., 50c; 25 lbs., \$1.00; 100 lbs., \$3.00. These prices are not prepaid.

### Crushed Oyster Shell

Hens must have lime in some form to furnish egg shell material. If you are having trouble with your flock laying soft or thin shelled eggs and should start feeding Oyster Shell immediately to remedy this condition. Our shell is not ground from shell deposits but from shells from live oysters. Therefore there is more lime carbonate and less waste. 5 lbs., 20c; 25 lbs., 60c; 100 lbs., \$1.35, not prepaid.

### Cryscro Lime Grit

A clean, sharp grit containing elements both helpful and necessary for the proper nutrition of food and production of eggs. It is gray in color and contains no dirt, causing no waste. Please state whether you want fine or coarse, when ordering. 5 lbs., 15c; 12 lbs., 25c; 25 lbs., 40c; 100 lbs., \$1.35, not prepaid.

### Charcoal

Charcoal is a conditioner and not a food. It absorbs impurities and carries them from the system. It may be mixed with scratch feed or fed in feeders. We have three sizes: Hen Size, Chick Size and Powdered. 3-lb. pkg., 25c; 50 lbs., \$1.75, not prepaid.

### Feeding Tankage

Hogs require animal feed and the lack of it will cause them to kill chickens or eat their young. Tankage is a hog feed and produces marvelous results when mixed with other feeds. Protein, 50 per cent. Per 100 lbs., \$4.00. Write for prices on larger quantities.

### Meat Meal

This is a variety of meat feed that is very popular. It is ground fine and can be included in mashes. We can furnish this feed practically free from odor. 5 lbs., 30c; 10 lbs., 60c; 25 lbs., \$1.25; 50 lbs., \$2.10; 100 lbs., \$4.00, not prepaid.

### Meat and Bone Scraps

This is a high class meat product prepared from animal matter that has not decomposed. Contains 50 per cent protein and will compare favorably with the best products of this nature. 5 lbs., 30c; 10 lbs., 60c; 25 lbs., \$1.25; 50 lbs., \$2.10; 100 lbs., \$4.00, not prepaid.





# Stock and Poultry Remedies and Supplies

## Bird Food

Canary, re-cleaned, imported.....	Lb. \$0.30
Dwarf Essex Rape, fancy re-cleaned.....	.25
Hemp, Manchurian, fancy.....	.20
Mixed Bird Seed.....	.25
Bird Millet.....	.15
Bird Sand.....	.20
Sunflower, re-cleaned, for Parrots.....	.20
Cuttle Fish Bone, 5c to 10c each.....	1.35
Bird Manna.....	Each .25

Postpaid. Special prices on larger quantities.

The world's largest manufacturers of nicotine insecticides announce that "Black Leaf 40" painted on the top side of the roosts will control body lice. Saves labor of handling each bird, either to dust, dip or grease. "Black Leaf 40" does not harm the birds nor retard egg production. Priced on page 86.

## Carbola

Is a disinfecting white paint that paints and disinfects, and dries white. Can be used as a paint or powder and may be sprayed, brushed or dusted.

Prices: Not prepaid, 5 lbs., 75c; 10 lbs., \$1.25; 20 lbs., \$2.50; 50 lbs., \$5.00; 200 lbs., \$18.00.

TO APPLY DRY use the Feeney Duster, page 92.

TO SPRAY, use Hudson Compressed Air Sprayers, page 93.

## Whitaker's Dip and Disinfectant

Prices, not prepaid: Pint, 40c; quart, 75c; ½ gallon, \$1.10; 1 gallon, \$1.75 each; 5-gallon cans, \$1.50 per gallon; 50-gallon drums, \$1.25 per gallon.

## Pyrus

Prices, not prepaid: Pint, 75c; quart, \$1.25; ½ gallon, \$2.00; 1 gallon, \$3.50 each; 5-gallon cans, \$3.00 per gallon.

## Denver Fly Chaser

Prices, not prepaid: 1 gallon, \$1.50 each; 5 gallons, \$1.35 per gal.

## Water Glass Egg Preserver

Water Glass is recommended by the Department of Agriculture of the United States as being a very simple, economical and safe method for the preservation of eggs. Preserve eggs when plentiful and be prepared for a scarcity when your hens take a rest.

Put the eggs in a crock of jar and mix the Water Glass with water that has been boiled, using 12 parts of water to 1 part Water Glass, and pour it over the eggs. Be sure to see that all eggs are covered with the mixture. Eggs if allowed to stay in this solution, will keep fresh for one year—it's good, try it. Price, pt., 25c; qt., 40c; ½ gal., 75c; 1 gal., \$1.25, not postpaid.

## Pratt's Poultry Regulator

25-oz. pkg., 30c; 4-lb. pkg., 60c; 12-lb. bag, \$1.75; 25-lb. bag, \$3.00; 100-lb. bag, \$10.50, not postpaid.

## Pratt's Powdered Lice Killer

1 lb., 30c; 2½ lbs., 60c, not postpaid.

## Pratt's Poultry Disinfectant

Don't risk heavy loss that can be easily prevented. 1 pt., 45c; 1 qt., 70c; ½ gal., \$1.20; 1 gal., \$2.00, not postpaid.

## Pratt's Special Compound

Small pkg., 30c; medium pkg., 60c, not postpaid.

## Pratt's Roup Tablets and Powder

Small pkg., 30c; medium pkg., 60c; large pkg., \$1.20, not postpaid.

## Pratt's White Diarrhea Tablets

Small pkg., 30c; medium pkg., 60c, not postpaid.

## Pratt's Head Lice Ointment

In 30c tubes, not postpaid.

## INDEX

Achillea	65
Acroclimium	44
Adonis	44
Ageratum	44
Alfalfa	71
Alyssum	44
Amaranthus	44
Anchusa	44
Anthemis	65
Apples	55
Artichoke	2, 34, 42
Asparagus	2, 42
Asters	44, 65, 66
Baby's Breath	45, 65
Balsam	44
Barberry	60
Barley	79
Beans	3, 4, 85
Bedding Plants	66
Beets	5, 6
Birch	59
Blackberries	57
Black-Eyed Susan	45
Bleeding Heart	65
Browallia	45
Buckwheat	78
Butterfly Bush	60
Cabbage	7-9, 41
Caladium	66
Calendula	45, 66
California Poppy	45
Calliopsis	45
Candytuft	45
Cannas	45, 66
Canterbury Bells	45, 65
Carnation	45
Carrots	12, 13
Castor Bean	45
Catalpa	59
Califlower	10, 11, 41
Celeriac	15
Celery	14, 15, 41
Centaurea	45
Chard, Swiss	6
Cherries	56
Chervil	15
Chicory	15
Chinese Woolflower	45
Chives	15, 42
Chrysanthemum	45, 65
Clematis	62
Cloves	72
Cobaea	46
Cockscomb	45
Columbine	46, 65
Coreopsis	65
Corn	16, 17, 80-83
Corn Salad	17
Cosmos	46
Cress	17
Cucumbers	18, 19

Currants	56
Dahlia	46, 67
Daisies	46
Dewberries	57
Dogwood	60
Eggplant	20, 41
Elder	60
Elm	59
Endive	19
Evening Primrose	46
Everlasting Sweet Pea	46
Farm Seeds	68-85
Feeds	95
Fertilizers	87
Feterita	68
Feverfew	46
Flax	78
Flowering Almond	60
Flowering Crab	59
Flowering Plum	60
Flowering Quince	60
Flower Seeds	44-54
Forget-Me-Not	46
Four O'Clock	46
Foxglove	46, 65
Fungicides and Insecticides	86, 87
Gaillardia	65
Geranium	46
Gladioli	66
Globe Amaranth	46
Godetia	47
Golden Bell	60
Golden Glow	65
Gooseberries	56
Gourds	47
Grapes	57
Grasses	73-75
Helichrysum	47
Heliotrope	47
Herbs	53
Hibiscus	65
Hollyhocks	47-65
Honeysuckle	60, 62
Horseradish	19, 42
Hyacinth Bean	47
Hydrangea	60
Ice Plant	47
Implements	88-91
Insecticides	86, 87
Iris	65
Ivy	62
Japanese Hop	47
Job's Tears	47
Kale	20
Kerria	61
Kochia	47
Kohl-rabi	20
Lace Flower	47
Lantana	47

Larch	59
Larkspur	47, 65
Leek	20
Lettuce	21, 22
Lilac	61
Lilies	62
Linden	59
Lobelia	47, 66
Mangels	6
Maple	59
Marigold	47, 66
Matrimony Vine	62
Maurandia	47
Mignonne	47
Millet	69
Milo Maize	68
Mint	42
Mock Orange	61
Moonflower	48
Morning Glory	48
Mountain Ash	59
Mourning Bride	48
Mushroom	29
Muskmelon	24, 25
Mulberry	59
Mustard	29
Nasturtiums	48
Nemesia	48
Nicotiana	48
Nigella	48
Oak	77
Oats	59
Okra	29
Olive, Russian	59
Onions	26-28, 41
Pansies	49, 66
Parsley	29
Parsnips	29
Peanuts	75
Pears	58
Peas	31, 32, 84
Peonies	64
Peppers	30, 41
Perennial Plants	65
Petunia	49, 66
Phlox	49, 65
Pinks	49, 65
Plums	56
Poplar	59
Poppies	50, 65
Portulaca	49
Potatoes	33, 34
Poultry Supplies	92
Privet	64
Pumpkins	32
Pyrethrum	49, 65
Radishes	35, 36
Rape	78
Raspberries	57

Remedies	96
Rhubarb	37, 42
Rose of Sharon	60
Roses	61, 63, 64
Rutabaga	79
Rye	42
Sage	50
Salpiglossis	37
Salvia	50
Scarflet	50
Scarlet Flax	50
Scarlet Runner Bean	59
Shade Trees	65
Shasta, Daisies	60-62
Shrubs	50
Smlax	61
Snapdragon	50, 66
Snowball	61
Snowberry	61
Snow-on-the-Mountain	50
Sorghums	70
Spinach	37
Spiraea	61, 65
Sprayers and Dusters	92-94
Squash	38
Static	50, 65
Stocks	50
Strawberries	58
Sudan Grass	68
Sumac	61
Sunflowers	51, 68
Sweet Peas	52, 53
Sweet Rocket	51
Sweet Scented Shrub	61
Sweet William	51, 65
Sycamore	59
Tamarix	60
Tobacco	37
Tomatoes	39, 41
Tools, etc.	88-92
Tritoma	65
Tuberose	66
Turnips	40
Vegetable Plants and	
Roots	41, 42
Vegetable Seeds	2-40
Verbena	51, 66
Vetch	84
Vines	62
Violet	51
Wallflower	51
Walnut	59
Watermelon	23
Weigela	61
Wheat	76
Wild Cucumber	51
Willow	59
Wisteria	62
Xeranthemum	51
Yucca	65
Zinnias	51, 66



Western Seed Company's  
Own Strain of

## True Giant Spencer Sweet Peas

Everybody likes sweet peas and they are grown with so little care and bloom so profusely that the smallest garden should contain a good supply. See pages 52 and 53 for complete list.

Also see our Sweet Pea Collections at special prices, page 53.

## The Beautiful Asters

Are among the most popular and easily grown of all our annuals. Turn to page 44 for complete description.



Giant Spencer Sweet Peas.



American  
Branching  
Aster.

Improved  
Crego  
Aster.

ASTER PLANTS, see page 66.



# Three Wonderful New Introductions for Mountain Growers

## New Extra Early Mountain Iceberg Lettuce

In appearance it is identical with the best New York or Wonderful, but it is about ten days earlier, heads larger, more uniform and matures more evenly. (See page 21).

## Selected Alderman Peas

This is a very carefully bred and selected strain of Alderman peas bred up for productiveness, large size and color of pods. Especially recommended for mountain planting. (See page 31).



## The New Extra Early Mountain Snowball Cauliflower

This variety is earlier and more vigorous than any other Snowball with balloon-shaped heads of good size. (See page 11).

